



## Compound Index Vol. 786

**AP180**

A novel strategy for the purification of recombinantly expressed unstructured protein domains 786(2003)247

**ATPase**

Recombinant expression and purification of Ssalp (Hsp70) from *Saccharomyces cerevisiae* using *Pichia pastoris* 786(2003)109

**Bacteriophage Q $\beta$** 

Isolation of Q $\beta$  polymerase complexes containing mutant species of elongation factor Tu 786(2003)279

**Bispecific antibodies**

Optimizing expression and purification from cell culture medium of trispecific recombinant antibody derivatives 786(2003)161

**Calcium-regulatory proteins**

Expression and purification of human cardiac troponin subunits and their functional incorporation into isolated cardiac mouse myofibrils 786(2003)287

**cDNA**

*Taenia solium* cDNA sequence encoding a putative immunodiagnostic antigen for human cysticercosis 786(2003)255

**T-cell receptor**

Production of a soluble  $\gamma\delta$  T-cell receptor to identify ligands for the murine intestinal intraepithelial  $\gamma\delta$  T cell population 786(2003)297

**Chaperonin 60 proteins**

Cloning, expression and purification of three Chaperonin 60 homologues 786(2003)117

**Citrate synthase**

GroE-dependent expression and purification of pig heart mitochondrial citrate synthase in *Escherichia coli* 786(2003)127

**Cluster determinant 4**

Purification of recombinantly expressed human cluster determinant 4 cytoplasmic domain 786(2003)39

**Cyclophilin**

Identification and characterisation of *Schizosaccharomyces pombe* cyclophilin 3, a cyclosporin A insensitive orthologue of human USA-CyP 786(2003)81

**Cytochrome P450**

Optimisation of expression and immobilized metal ion affinity chromatographic purification of recombinant (His)<sub>6</sub>-tagged cytochrome P450 hydroperoxide lyase in *Escherichia coli* 786(2003)229

**Dipetarudin**

Cloning, purification and biochemical characterization of dipetarudin, a new chimeric thrombin inhibitor 786(2003)73

**Elongation factor-Tu**

Isolation of Q $\beta$  polymerase complexes containing mutant species of elongation factor Tu 786(2003)279

**Enhanced green fluorescent protein**

Cloning, expression and two-step purification of recombinant His-tag enhanced green fluorescent protein over-expressed in *Escherichia coli* 786(2003)153

**Enzymes**

GroE-dependent expression and purification of pig heart mitochondrial citrate synthase in *Escherichia coli* 786(2003)127

In vitro cell free synthesis of human manganese superoxide dismutase with the RTS 500 system 786(2003)137

**Epsin 1**

A novel strategy for the purification of recombinantly expressed unstructured protein domains 786(2003)247

**Fab fragment**

Optimizing expression and purification from cell culture medium of trispecific recombinant antibody derivatives 786(2003)161

**Fatty acids**

Cloning and expression of fatty acids biosynthesis key enzymes from sunflower (*Helianthus annuus* L.) in *Escherichia coli* 786(2003)221

**Fibrin**

GST–Fbe can recognize  $\beta$ -chains of fibrin(ogen) on explanted materials 786(2003)319

**Fibrinogen**

GST–Fbe can recognize  $\beta$ -chains of fibrin(ogen) on explanted materials 786(2003)319

 **$\alpha$ -L-Fucosidase precursor**

Purification of human alpha-L-fucosidase precursor expressed in *Escherichia coli* as a glutathione S-transferase fusion protein 786(2003)7

**Fusion protein**

Continuous processing of fusion protein expressed as an *Escherichia coli* inclusion body 786(2003)237

**Glutathione S-transferase fusion protein**

Purification of human alpha-L-fucosidase precursor expressed in *Escherichia coli* as a glutathione S-transferase fusion protein 786(2003)7

**GST fusion protein**

Identification of a tubulin binding motif on the P2X<sub>2</sub> receptor 786(2003)311

**Histidine tag**

Optimisation of expression and immobilized metal ion affinity chromatographic purification of recombinant (His)<sub>6</sub>-tagged cytochrome P450 hydroperoxide lyase in *Escherichia coli* 786(2003)229

**Histidine tag recombinant exopolyphosphatase**

On-column refolding of an insoluble histidine tag recombinant exopolyphosphatase from *Trypanosoma brucei* overexpressed in *Escherichia coli* 786(2003)305

**Hsp70**

Recombinant expression and purification of Ssa1p (Hsp70) from *Saccharomyces cerevisiae* using *Pichia pastoris* 786(2003)109

**Hydroperoxide lyase**

Optimisation of expression and immobilized metal ion affinity chromatographic purification of recombinant (His)<sub>6</sub>-tagged cytochrome P450 hydroperoxide lyase in *Escherichia coli* 786(2003)229

**Immunoglobulin A**

Simplified procedure to recover recombinant antigenized secretory IgA to be used as a vaccine vector 786(2003)143

**Intrinsically disordered proteins**

A novel strategy for the purification of recombinantly expressed unstructured protein domains 786(2003)247

**Low molecular mass glutenin subunits**

Heterologous expression and purification of native and mutated low molecular mass glutenin subunits from durum wheat 786(2003)215

**Manganese superoxide dismutase**

In vitro cell free synthesis of human manganese superoxide dismutase with the RTS 500 system 786(2003)137

**Membrane proteins**

Purification of recombinant BtpA and Ycf3, proteins involved in membrane protein biogenesis in *Synechocystis* PCC 6803 786(2003)45

**Metal chelates**

Mutation of surface-exposed histidine residues of recombinant human granulocyte-colony stimulating factor (Cys17Ser) impacts on interaction with chelated metal ions and refolding in aqueous two-phase systems 786(2003)17

**MSP-1<sub>42</sub>**

Expression and purification of *Plasmodium falciparum* MSP-1<sub>42</sub>: A malaria vaccine candidate 786(2003)61

**Myelin basic protein**

Identification of a tubulin binding motif on the P2X<sub>2</sub> receptor 786(2003)311

**Outer membrane protein**

Two-step purification of the outer membrane transporter and activator protein ShlB from *Escherichia coli* using internally His<sub>6</sub>-tagged constructs 786(2003)33

**Peptidyl-prolyl cis/trans isomerase (PPIase)**

Identification and characterisation of *Schizosaccharomyces pombe* cyclophilin 3, a cyclosporin A insensitive orthologue of human USA-CyP 786(2003)81

**Photosystem I**

Purification of recombinant BtpA and Ycf3, proteins involved in membrane protein biogenesis in *Synechocystis* PCC 6803 786(2003)45

**Proline-rich homeodomain protein**

Purification of the proline-rich homeodomain protein 786(2003)3

**Proteins**

Mutation of surface-exposed histidine residues of recombinant human granulocyte-colony stimulating factor (Cys17Ser) impacts on interaction with chelated metal ions and refolding in aqueous two-phase systems 786(2003)17

**P2X receptor isoforms**

Identification of a tubulin binding motif on the P2X<sub>2</sub> receptor 786(2003)311

**Rare codon gene**

High-level expression and rapid purification of rare-codon genes from hyperthermophilic archaea by the GST gene fusion system 786(2003)177

**Recombinant heterodimeric protein**

Novel approach to obtain biologically active recombinant heterodimeric proteins in *Escherichia coli* 786(2003)93

**Recombinant protein**

Simplified procedure to recover recombinant antigenized secretory IgA to be used as a vaccine vector 786(2003)143

**Recombinant proteins**

*Taenia solium* cDNA sequence encoding a putative immunodiagnostic antigen for human cysticercosis 786(2003)255

**Recombinant thermostable proteins**

Production of recombinant thermostable proteins expressed in *Escherichia coli*: completion of protein synthesis is the bottleneck 786(2003)207

**Recombinant Yol066 protein**

Optimisation of expression and purification of the recombinant Yol066 (Rib2) protein from *Saccharomyces cerevisiae* 786(2003)187

**RNA polymerase**

Isolation of Q $\beta$  polymerase complexes containing mutant species of elongation factor Tu 786(2003)279

**ScFv**

Production, purification and characterisation of genetically derived scFv and bifunctional antibody fragments capable of detecting illicit drug residues 786(2003)327

**Single-chain variable fragments**

Optimizing expression and purification from cell culture medium of trispecific recombinant antibody derivatives 786(2003)161

**Ssa1p**

Recombinant expression and purification of Ssa1p (Hsp70) from *Saccharomyces cerevisiae* using *Pichia pastoris* 786(2003)109

**Stearoyl-acyl carrier protein desaturase**

Cloning and expression of fatty acids biosynthesis key enzymes from sunflower (*Helianthus annuus* L.) in *Escherichia coli* 786(2003)221

**Thrombin inhibitor**

Cloning, purification and biochemical characterization of dipetarudin, a new chimeric thrombin inhibitor 786(2003)73

**Transforming growth factor  $\beta$** 

Large scale protein production of the extracellular domain of the transforming growth factor- $\beta$  type II receptor using the *Pichia pastoris* expression system 786(2003)271

**Troponin**

Expression and purification of human cardiac troponin subunits and their functional incorporation into isolated cardiac mouse myofibrils 786(2003)287

 **$\beta$ -Tubulin**

Identification of a tubulin binding motif on the P2X<sub>2</sub> receptor 786(2003)311