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Announcement

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ANNOUNCEMENT

**NATIONAL HORMONE and PITUITARY PROGRAM
NATIONAL INSTITUTE of DIABETES and DIGESTIVE and KIDNEY DISEASES
PEPTIDE HORMONES, SUBUNITS, ANTISERA & OTHER MATERIALS AVAILABLE**

The National Hormone and Pituitary Program (NHPP) offers peptide hormones and their antisera, tissues (human pituitaries and rat hypothalami), and miscellaneous reagents to qualified investigators. These reagents are supplied for research purposes only, not for therapeutic, diagnostic or commercial uses. These materials are procured or donated through programs supported by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the Center for Population Research of the National Institute of Child Health and Development (CPR, NICHD), the Agricultural Research Service of the U. S. Department of Agriculture (USDA), and Dr. A. F. Parlow of the Harbor-UCLA Medical Center.

NEW MATERIALS AVAILABLE

- | | |
|--|---|
| 1. Human Pituitary FSH, LH, TSH, and their Subunits: Devoid of Hormonal Contaminants | 4. New, Sensitive Rat LH RIA |
| 2. Hormone-Specific Polyclonal Antisera for Immunocytochemistry (IC) for Rat PRL, GH, FSH β , LH β and TSH β | 5. Rat GH and PRL Devoid of Hormonal Contaminants |
| 3. Hormone-Specific Polyclonal Antisera for Human PRL, FSH β , LH β and TSH β for IC | 6. Ovine FSH Devoid of LH and TSH |
| | 7. 20K Variant of hGH |

REAGENTS FOR RIA

An RIA kit (1) consists of one vial of "iodination quality" antigen, one vial of "RIA quality" antisera and a reference hormone. (A) denotes the availability of antigen only. Antigen or antisera may be requested individually. General information on these reagents is obtainable by contacting the NHPP. Scientific-technical inquiry should be directed to NIDDK Hormone Distribution Officer, Dr. Phil Smith, and to Dr. A. F. Parlow.

HORMONE	Human	Rat	Ovine	Bovine	Porcine	Monkey	Baboon
ACTH	1	1					
CG	1						
CG α	1						
CG β	1						
FSH	1	1	1		1	1	1
FSH α	1	1				1	1
FSH β	1	1				1	1
GH	1	1	1				
GH, 20K	1						
LH	1	1	1			1	1
LH α	1	1	1			1	1
LH β	1	1	1			1	1
LPH β	1						
MSH β	1						
NEUROPHYSINS	1						
PL	1						
PRL	1	1	1	A			
PTH				A			
TSH	1	1	1	1			
TSH α	1	1					
TSH β	1	1					

REAGENTS AVAILABLE BY DIRECT REQUEST TO DR. A. F. PARLOW

Reagents listed below are provided in service of science by Dr. A. F. Parlow, Director, Pituitary Hormones & Antisera Ctr., Harbor-UCLA Medical Ctr., 1000 West Carson Street, Torrance, CA 90509. TEL (310) 222-3537; FAX 222-3432; E-MAIL "PARLOW@AFP76.HUMC.EDU". SEND REQUESTS FOR THESE DIRECTLY TO DR. PARLOW.

Hormone	Bovine	Canine	Chicken	Equine	Hamster	Monkey	Mouse	Ovine	Porcine	Rabbit
FSH	1						RP only			1
FSH α	1							1	1	
FSH β	1							1	1	
GH	1	1	1	1		1	1		1	1
LH	1	1		1			1		1	1
LH α	1								1	
LH β	1								1	
PRL	1	1	1	1	1		1		1	1
TSH	1			1			1		1	1
TSH α	1							1	1	
TSH β	1							1	1	

**REAGENTS FOR BIOLOGICAL STUDIES
PITUITARY and PLACENTAL PEPTIDES**

Hormone	Human	Rat	Ovine	Bovine	Porcine
CG	1 mg				
CG α	1 mg				
CG hybrid	1.5 mg				
FSH	1 mg ¹		0.5 mg/0.5 mg ¹		1 mg* ¹
FSH recomb in medium	1425 IU				
FSH recomb in medium	11250 IU				
GH	10 mg	5 mg/5 mg ¹	50 mg	10 mg*	10 mg*
GH, 20K Variant	1 mg				
LH	2 mg ¹		10 mg	5 mg*	5 mg*
PL	5 mg, 2 mg				
PRL	1 mg ¹	5 mg/5 mg ¹	50 mg, 10 mg	10 mg	10 mg*
PRL, Glycosylated			1 mg		
TSH	1 mg ¹		1 mg	1 mg	

¹ SIAFP quality, (Selective Immuno Affinity Purified); i.e. devoid of hormonal contaminants.

* OBTAINABLE BY WRITING DIRECTLY TO DR. DOUGLAS BOLT, USDA, BELTSVILLE AGRI-RESEARCH CENTER, BLDG. 200, ROOM 9, BARC-EAST, BELTSVILLE, MD 20705; TEL (301) 504-8129; FAX (301) 504-5463.

MISCELLANEOUS PEPTIDES

Porcine follicle-statin	0.2 U	Guinea pig insulin	78 μ g
Follistatin (recombinant)	0.1 mg/1 mg	Bovine PTH	1 mg
GN-RH (amide)	100 μ g	Insulin (desoctapeptide)	100 μ g

ANTISERA FOR IMMUNOCYTOCHEMISTRY and MISCELLANEOUS USE

IMMUNOCYTOCHEMISTRY			MISCELLANEOUS
Peptide	Human	Rat	Ovine
ACTH	1		
FSH β	1	1	
Estrogen Rec. ⁴		1	
GH (natural)	1	1 ¹	1
GH (synthetic)	1		
α Subunit		1	
LH β	1	1 ²	1
PRL	1	1	1
TSH β	1	1	
FSH, LH ² , TSH ²		1	

Hormone-Specific ImmunoAffinity-Purified Ig to Rat PRL, Rat TSH β , Rat LH β , Rat LH α , Human PRL, Human TSH β , Human LH β available directly from Dr. Parlow. Guinea Pig antisera to all Rat & Human pituitary peptides are available directly from Dr. Parlow.

All the above antisera were raised in rabbits, except for ¹ monkey, ² guinea pig, ³ sheep.

⁴ A vial of rat Estrogen receptor peptide (amino acid residues 270-284) is included with this reagent.

TISSUES

Human Pituitary Glands, frozen. Available to US investigators only. Not for human use.
Rat Hypothalami, frozen & lyophilized.

Requests for NHPP reagents must be submitted on an NHPP application form, by mail or fax, to:

National Hormone and Pituitary Program
685 Lofstrand Lane
Rockville, MD 20850
TEL (301) 309-3667; FAX (301) 340-9245

Application forms are obtainable from the NHPP at the above address.

**Direct scientific-technical inquiry to NIDDK Hormone Distribution Officer, Dr. Phil Smith at
TEL (301) 594-8816; E-MAIL "PS56Z@NIH.GOV".**

Requests for more than routine amounts may be accommodated where possible. Provide justification for the amounts specified; i.e. for more than 3 different RIA kits, or for more than 2 vials of any one reagent, or a large total number of reagents. **All reagents are supplied free of charge, but the cost of shipping to non-US locations must be paid for by the requesting investigator.**