

TRH

Overview: Thyrotropin-releasing hormone (TRH) receptors (provisional nomenclature) are activated by the endogenous tripeptide TRH (pGlu-His-ProNH₂). TRH and TRH analogues fail to distinguish TRH₁ and TRH₂ receptors (Sun *et al.*, 2003). [³H]-TRH is able to label both TRH₁ and TRH₂ receptors with *K_d* values of 13 and 9 nM respectively.

Nomenclature	TRH ₁	TRH ₂
Other names	TRH receptor, thyroliberin	–
Ensembl ID	ENSG00000174417	ENSMUSG00000039079, ENSRNOG00000012789
Principal transduction	G _q	G _q
Selective antagonists	Midazolam (Drummond <i>et al.</i> , 1989), chlordiazepoxide (Straub <i>et al.</i> , 1990), diazepam	–

The human orthologue of the rodent TRH₂ receptor has yet to be identified.

Abbreviation: MeTRH, pGlu-[N^ε-methyl]His-ProNH₂

Further Reading

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References

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