

Proteoliposomes

Full-Length

GNRHR (Human) Recombinant Protein

Catalog # H00002798-G01

Size 2 ug

Specification

Product Description	Human GNRHR full-length ORF (ADR83139.1) recombinant protein without tag. This product is belong to Proteoliposome (PL).
Sequence	MANSASPEQNQNHCSAINNSIPLMQGNLPTLTLSGKIRVTVTFFLFLLSATFNASFLKLQKWTQKK EKGKKLSRMKLLKHLTLANLLETLMPLDGMWNITVQWYAGELLCKVLSYKLFSMYAPAFMMV VISLDRSLAITRPLALKSNSKVGQSMVGLAWILSSVFAGPQLYIFRMIHLADSSGQTKVFSQCVTHC SFSQWWHQAFYNFFTFSCLFIIPLFIMLICNAKIIFTLTRVLHQDPHELQLNQSKNNIPRARLKTLMKMT VAFATSFTVCWTPYYVLGWYWFDPPEMLNRLSDPVNHFFFLFAFLNPCFDPLIYGYSFL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.1
Interspecies Antigen Sequence	Mouse (89); Rat (88)
Form	Liquid
Preparation Method	in vitro wheat germ expression system with proprietary liposome technology
Purification	None
Recommend Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — GNRHR

Entrez GeneID [2798](#)

GeneBank Accession# [HQ258385.1](#)

Protein Accession# [ADR83139.1](#)

Gene Name GNRHR

Gene Alias GNRHR1, GRHR, LHRHR, LRHR

Gene Description gonadotropin-releasing hormone receptor

Omim ID [138850 228300](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes the receptor for type 1 gonadotropin-releasing hormone. This receptor is a member of the seven-transmembrane, G-protein coupled receptor (GPCR) family. It is expressed on the surface of pituitary gonadotrope cells as well as lymphocytes, breast, ovary, and prostate. Following binding of gonadotropin-releasing hormone, the receptor associates with G-proteins that activate a phosphatidylinositol-calcium second messenger system. Activation of the receptor ultimately causes the release of gonadotropic luteinizing hormone (LH) and follicle stimulating hormone (FSH). Defects in this gene are a cause of hypogonadotropic hypogonadism (HH). Alternative splicing results in multiple transcript variants encoding different isoforms. More than 18 transcription initiation sites in the 5' region and multiple polyA signals in the 3' region have been identified for this gene. [provided by RefSeq]

Other Designations

gonadotropin-releasing hormone (type 1) receptor 1|luteinizing hormone releasing hormone receptor|luteinizing-releasing hormone receptor|luliberin receptor|type I GnRH receptor

Pathway

- [GnRH signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Amenorrhea](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Chromosome Disorders](#)

- [Genetic Predisposition to Disease](#)
- [Hypogonadism](#)
- [Kallmann Syndrome](#)
- [Mental Disorders](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)