

Recombinant Human GNRHR Protein

Cat. No. GNRHR-5099H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GNRHR full-length ORF (ADR83139.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
Description	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]
Form	Liquid
Molecular Mass	36.1 kDa
AA Sequence	MANSASPEQNQNHC SAINNSIPLMQGNLPTLTLSGKIRVTVTFFLFLLSATFNASFL KLQKWTQKKEKGKKLSRMKLLLKHLTLANLLETIVMPLDGMWNITVQWYAGELLCK VLSYLKLF S MYAPAFMMVVISLDRSLAITRPLALKSNSKVGQSMVGLAWILSSVFAGP

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QLYIFRMIHLADSSGQTKVFSQCVTHCSFSQWWHQAFFYNFFTFSCLFIIPLFIMLICNA
 KIIFTLTRVLHQDPHELQLNQSKNNIPRARLKTLMKMTVAFATSFTVCWTPYYVLGIWY
 WFDPEMLNRLSDPVNHFFFLFAFLNPCFDPLIYGYSFL

Applications

Antibody Production
 Functional Study
 Compound Screening

Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION
Gene Name

GNRHR gonadotropin-releasing hormone receptor [Homo sapiens]

Official Symbol

GNRHR

Synonyms

GNRHR; gonadotropin-releasing hormone receptor; GRHR; LHRHR; gnRH-R; gnRH receptor; luliberin receptor; type I GnRH receptor; leutinizing-releasing hormone receptor; leutinizing hormone releasing hormone receptor; gonadotropin-releasing hormone (type 1) receptor 1; LRHR; GNRHR1;

Gene ID

2798

mRNA Refseq

NM_000406

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Protein Refseq	NP_000397
MIM	138850
UniProt ID	P30968

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