

# Recombinant Human GNRHR Protein

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

## SPECIFICATION

<b>Product Overview</b>	Human GNRHR full-length ORF (ADR83139.1) recombinant protein without tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	<p>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]</p>
<b>Form</b>	Liquid
<b>Molecular Mass</b>	36.1 kDa
<b>AA Sequence</b>	<p>MANSASPEQNNQHCSAINNSIPLMQGNLPTLTLSGKIRVTVTFFLFLLSATFNASFLL            KLQKWTQKKEKGKLSRMKLLLKHLTLANLLETLMPLDGMWNITVQWYAGELLCK            VLSYLKLFMYAPAFMMVVISLDRSLAITRPLALKSNSKVGQSMVGLAWILSSVFAGP</p>

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QLYIFRMIHLADSSGQTKVFSQCVTHCSFSQWWHQAFYNFFTFSCFLFIPLFIMLICNA  
 KIIFTLTRVLHQDPHELQLNQSKNNIPRARLKLKMTVAFATSFTVCWTPYYVLGIWY  
 WFDPEMLNRLSDPVNHFFFLFAFLNPCFDPLIYGYSFL

<b>Applications</b>	Antibody Production Functional Study Compound Screening
<b>Usage</b>	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	25 mM Tris-HCl of pH8.0 containing 2% glycerol.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">GNRHR gonadotropin-releasing hormone receptor [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">GNRHR</a>
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">2798</a>
<b>mRNA Refseq</b>	<a href="#">NM_000406</a>

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**Protein Refseq** [NP\\_000397](#)

**MIM** [138850](#)

**UniProt ID** [P30968](#)

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