Recombinant Full Length Human GNRHR Protein

Cat. No. GNRHR-5412HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GNRHR full-length ORF (ADR83139.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	379 amino acids
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	MANSASPEQNQNHCSAINNSIPLMQGNLPTLTLSGKIRVTVTFFLFLLSATFNASFLL

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	KLQKWTQKKEKGKKLSRMKLLLKHLTLANLLETLIVMPLDGMWNITVQWYAGELLCK VLSYLKLFSMYAPAFMMVVISLDRSLAITRPLALKSNSKVGQSMVGLAWILSSVFAGP QLYIFRMIHLADSSGQTKVFSQCVTHCSFSQWWHQAFYNFFTFSCLFIIPLFIMLICNA KIIFTLTRVLHQDPHELQLNQSKNNIPRARLKTLKMTVAFATSFTVCWTPYYVLGIWY WFDPEMLNRLSDPVNHFFFLFAFLNPCFDPLIYGYFSL
Applications	Antibody Production Functional Study Compound Screening
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 horomone receptor; gonadotropin-releasing hormone (type 1) receptor 1; LRHR; GNRHR1;
Gene ID	2798
mRNA Refseq	NM_000406

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq	NP_000397
MIM	138850
UniProt ID	P30968

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA