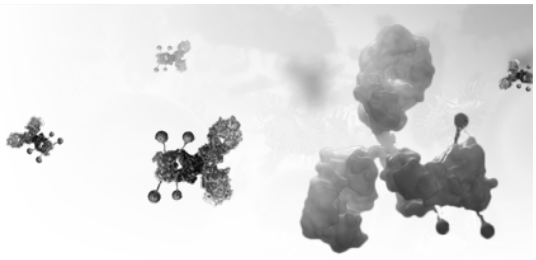

Human GNRHR peptide (DAG-P1648)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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, Jul 2008]
Conjugate	Unconjugated
Format	Lyophilised
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	GNRHR gonadotropin-releasing hormone receptor [Homo sapiens (human)]
Official Symbol	GNRHR
Synonyms	GNRHR; gonadotropin-releasing hormone receptor; HH7; GRHR; LRHR; LHRHR; GNRHR1; 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;

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Entrez Gene ID	2798
mRNA Refseq	NM_000406.2
Protein Refseq	NP_000397.1
UniProt ID	P30968
Chromosome Location	4q21.2
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Other, organism-specific biosystem; Gastrin-CREB signalling pathway via PKC and MAPK, organism-specific biosystem; GnRH signaling pathway, organism-specific biosystem; GnRH signaling pathway, conserved biosystem; Hormone ligand-binding receptors, organism-spec
Function	gonadotropin-releasing hormone receptor activity;

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