

Recombinant Human GHSR

Cat. No. GHSR-29024TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Ghrelin Receptor, Isoform 1B with N terminal proprietary tag, 57.86kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	289 amino acids
Description	This gene encodes a member of the G-protein coupled receptor family. The encoded protein may play a role in energy homeostasis and regulation of body weight. Two identified transcript variants are expressed in several tissues and are evolutionary conserved in fish and swine. One transcript, 1a, excises an intron and encodes the functional protein; this protein is the receptor for the Ghrelin ligand and defines a neuroendocrine pathway for growth hormone release. The second transcript (1b) retains the intron and does not function as a receptor for Ghrelin; however, it may function to attenuate activity of isoform 1a. Mutations in this gene are associated with autosomal idiopathic short stature.
Molecular Weight	57.860kDa inclusive of tags
Tissue specificity	Pituitary and hypothalamus.
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MWNATPSEEPGFNLTLADLDWDASPGNDSLGDPELLQLFPA PLLAGVTATCVALFVV GIAGNLLTMLVVSRLFRELRTTTNL YLSSMAFSDLLIFLCMPDLVRLWQYRPWNFGD LLCKLFQ FVSESCYATVLTITALSVERYFAICFPLRAKVVVTGGRV KLVIFVIWAVAF CSAGPIFVLVGVEHENGTD PWD TNECRP TEFAVRSGLLTVMVWVSSIFFFLPVFCL TVLYSLIGRKLW RRRRGDAVVGASLRDQNHKQTVKMLGGSQRALRLSLAGPI LSL CLLPSL
Sequence Similarities	Belongs to the G-protein coupled receptor 1 family.

GENE INFORMATION

Gene Name	GHSR growth hormone secretagogue receptor [Homo sapiens]
Official Symbol	GHSR
Synonyms	GHSR; growth hormone secretagogue receptor; growth hormone secretagogue receptor type 1;
Gene ID	2693
mRNA Refseq	NM_004122
Protein Refseq	NP_004113

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MIM	601898
Uniprot ID	Q92847
Chromosome Location	3q26.31
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, Class A Rhodopsin-like, organism-specific biosystem;
Function	G-protein coupled receptor activity; growth hormone secretagogue receptor activity; growth hormone-releasing hormone receptor activity; peptide hormone binding; receptor activity;

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