

Recombinant Human LGR6 protein, GST-tagged

Cat. No. LGR6-22H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LGR6(1 a.a. - 828 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-828 a.a.
Description	This gene encodes a member of the leucine-rich repeat-containing subgroup of the G protein-coupled 7-transmembrane protein superfamily. The encoded protein is a glycoprotein hormone receptor with a large N-terminal extracellular domain that contains leucine-rich repeats important for the formation of a horseshoe-shaped interaction motif for ligand binding. Alternative splicing of this gene results in multiple transcript variants.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	115.7 kDa
AA Sequence	MRLEGEGRSARAGQNLSRAGSARRGAPRDLSMNNLTQLPGLFHHLRFLEELRLS GNHLSHIPGQAFSGLYSLKILMLQNNQLGGIPAEALWELPSLQSLDLNYNKLQEFPV AIRTLGRLQELGFHNNNIKAPEKAFMGNPQLQTIHFYDNPIQFVGRSAFQYLPKLHTL SLNGAMDIQEFDPDLKGTTSLEILTLTRAGIRLLPSGMCQQLPRLRVLELSHNQIEELPS LHRCQKLEEIGLQHNRIWEIGADTFSQLSSLQALDLSWNAIRSIHPEAFSTLHSLVKLD

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LTDNQLTTLPLAGLGGLMHLKLKGNLALSQAFSKDSFPKLRILEVPYAYQCCPYGMC
 ASFFKASGQWEAEDLHLDDEESSKRPLGLLARQAENHYDQDLDELQLEMEDSKPH
 PSVQCSPTPGPFKPCEYLFESWGIRLAVWAIVLLSVLCNGLVLLTVFAGGPVPLPPV
 KFVVGAAGANTLTGISCGLLASVDALTFGQFSEYGARWETGLGCRATGFLAVLGSE
 ASVLLLTLAAVQCSVSVSCVRAYGKSPSLGSRAGVLGCLALAGLAAALPLASVGEY
 GASPLCLPYAPPEGQPAALGFTVALVMMNSFCFLVVAGAYIKLYCDLPRGDFEAVW
 DCAMVRHVAVLIFADGLLYCPVAFLSFASMLGLFPVTPEAVKSVLLVVLPLPACLNPL
 LYLLFNPHFRDDLRLRLRPRAGDSGPLAYAAAGELEKSSCDSTQALVAFSDVDLILEA
 SEAGRPPGLETYGFPSVTLISCQQPGAPRLEGSHCVEPEGNHFGNPQPSMDGELL
 RAEGSTPAGGGLSGGGGFQPSGLAFASHV

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

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.

GENE INFORMATION

Gene Name

LGR6 leucine-rich repeat containing G protein-coupled receptor 6 [Homo sapiens]

Official Symbol

LGR6

Synonyms

LGR6; leucine-rich repeat containing G protein-coupled receptor 6; leucine rich repeat containing G protein coupled receptor 6; leucine-rich repeat-containing G-protein coupled receptor 6; FLJ14471; gonadotropin receptor; leucine-rich repeat-containing G protein-coupled receptor 6; GPCR; VTS20631;

Gene ID

59352

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mRNA Refseq	NM_001017404
Protein Refseq	NP_001017404
MIM	606653
UniProt ID	Q9HBX8
Chromosome Location	1q32.1
Pathway	GPCRs, Other, organism-specific biosystem;
Function	protein-hormone receptor activity; receptor activity; signal transducer activity;
	