

Active Recombinant Human LGR6 Protein, Fc-tagged

Cat. No. LGR6-26H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human LGR6 (Ala25-Ala567) protein fused with the Fc region of human IgG1 (Pro100-Lys330) at the C-terminus was expressed in Chinese Hamster Ovary cell line.
Species	Human
Source	CHO
ProteinLength	25-567 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.
Predicted N Terminal	Ala25
Bio-activity	Measured by its ability to induce Topflash reporter activity in HEK293T human embryonic kidney cells. The ED50 for this effect is 2.5-12.5 µg/mL in the presence of 10 ng/mL Recombinant Mouse Wnt-3a.
Molecular Mass	87 kDa

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Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>80%, by SDS-PAGE with silver staining.
Storage	Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS.
Reconstitution	Reconstitute at 100 µg/mL in PBS.
GENE INFORMATION	
Gene Name	LGR6
Official Symbol	LGR6 leucine rich repeat containing G protein-coupled receptor 6 [Homo sapiens (human)]
Synonyms	GPCR; VTS20631; FLJ14471; gonadotropin receptor; GPCR; 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; Lgr6; LGR6 leucine rich repeat containing G protein-coupled receptor 6
Gene ID	59352
mRNA Refseq	NM_021636
Protein Refseq	NP_067649

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MIM	606653
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UniProt ID	Q9HBX8
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