

Active Recombinant Mouse Lgr6 Protein, C-Fc-tagged

Cat. No. Lgr6-06M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Lgr6 Fc Chimera Protein (Gly23-Ala567) with a Mouse IgG2A (Glu98-Lys330) Fc tag at C-terminus was expressed in Chinese Hamster Ovary cell line.
Species	Mouse
Source	CHO
ProteinLength	Gly23-Ala567
Description	Predicted to enable G protein-coupled receptor activity and protein-hormone receptor activity. Acts upstream of or within bone regeneration. Predicted to be located in vesicle. Predicted to be active in extracellular matrix and extracellular space. Is expressed in 1st branchial arch; jaw; nasal process; oral region epithelium; and skin. Orthologous to human LGR6 (leucine rich repeat containing G protein-coupled receptor 6).
Form	Disulfide-linked homodimer
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Mouse R-Spondin 3 is coated at 0.5 µg/mL, Recombinant Mouse Lgr6 Fc Chimera binds with an apparent Kd < 1.0 nM.
Molecular Mass	Predicted Molecular Mass: 87.9 kDa (monomer) SDS-PAGE: 95-105 kDa, reducing conditions

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N-terminal Sequence Analysis	Gly23
Endotoxin	<0.01 EU/μg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE with silver staining, under reducing conditions.
Storage	Use a manual defrost freezer and 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 200 μg/mL in PBS.
Shipping	The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name	Lgr6 leucine-rich repeat-containing G protein-coupled receptor 6 [Mus musculus (house mouse)]
Official Symbol	Lgr6
Synonyms	Lgr6; leucine-rich repeat-containing G protein-coupled receptor 6; D830026M09; A530037C04Rik; leucine-rich repeat-containing G-protein coupled receptor 6
Gene ID	329252
mRNA Refseq	NM_001033409

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Protein Refseq	NP_001028581
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UniProt ID	Q3UVD5
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