

Active Recombinant Human LRP5 protein, mFc-tagged

Cat. No. LRP5-284H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human LRP5 protein(Glu 644 - Gln 1263), fused with mFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	644-1263 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 51 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human Dkk-1, Fc,Avitag at 5 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Human LRP-5, Mouse IgG2a Fc Tag with a linear range of 1-31 ng/mL.Immobilized Human Dkk-1, His Tag at 5 µg/mL (100 µL/well) can bind Human LRP-5, Mouse IgG2a Fc Tag with a linear range of 5-156 ng/mL.
Molecular Mass	This protein carries a mouse IgG2a Fc tag at the C-terminus.The protein has a calculated MW of 96.6 kDa. The protein migrates as 95-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Glu644-Gln1263

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Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	LRP5 low density lipoprotein receptor-related protein 5 [Homo sapiens]
Official Symbol	LRP5
Synonyms	LRP5; low density lipoprotein receptor-related protein 5; EVR1, exudative vitreoretinopathy 1 , LRP7, OPPG, osteoporosis pseudoglioma syndrome; low-density lipoprotein receptor-related protein 5; BMND1; HBM; LR3; OPS; LRP-5; low density lipoprotein receptor-related protein 7; EVR1; EVR4; LRP7; OPPG; OPTA1; VBCH2;
Gene ID	4041
mRNA Refseq	NM_002335
Protein Refseq	NP_002326
MIM	603506

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UniProt ID

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