

Active Recombinant Human LRP5 protein

Cat. No. LRP5-37H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human LRP5 protein was expressed in E.coli.
Species	Human
Source	E.coli
Form	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.2.
Bio-activity	Assay 1: Fully biologically active when compared to standard. Measured in a serum-free cell proliferation assay using human MCF-7 cells. The ED50 for this effect is 0.3-1.5 ng/ml, corresponding to a specific activity of $> 6.7 \times 10^5$ U/mg. Assay 2: Fully biologically active when compared to standard. The ED50 as determined by the stimulation of protein synthesis using rat L6 myoblasts is less than 10 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^5$ U/mg.
Molecular Mass	Approximately 9.1 kDa, a single non-glycosylated polypeptide chain containing 83 amino acids.
AASequence	MFPAMPLSSL FVNGPRTLCLG AELVDALQFV CGDRGFYFNK PTGYGSSRR APQTGIVDEC CFRSCDLRRL EMYCAPLKPA KSA
Endotoxin	Less than 0.01 EU/µg of rHuLR3 IGF-1 as determined by LAL method.
Purity	>98% by SDS-PAGE analyses.

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Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

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

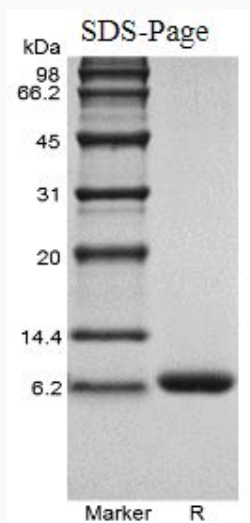
UniProt ID O75197

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SDS-PAGE



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