

LRP-6 recombinant protein

LRP-6 Protein, Human, Recombinant (hFc Tag), HPLC-verified

CATALOG #
AAA259190

HOST
HEK293 Cells

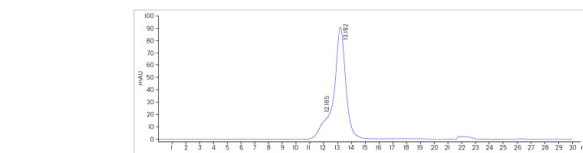
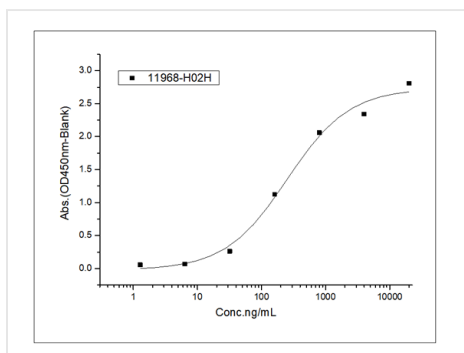
PRODUCT SYNONYMS

LRP-6; LRP-6 Protein; Human; Recombinant (hFc Tag); HPLC-verified; LDL receptor related protein 6; ADCAD2 Protein; LRP-6 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>= 90% as determined by SDS-PAGE. = 90% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Species	Human
Predicted N Terminal	Ala 20
Endotoxin	<1.0 EU per ug protein as determined by the LAL method.
Protein Construction	A DNA sequence encoding the Human LRP6 (O75581)(Met1-Pro630) was expressed with the Fc region of human IgG1 at the C-terminus.
Activity	Immobilized Recombinant Human R-Spondin 1/RSPO1 Protein (His Tag)(Cat:11083-H08H) at 2ug/mL (100uL/well) can bind Recombinant Human LRP6 Protein (Fc Tag) , the EC50 is 120-360 ng/mL.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

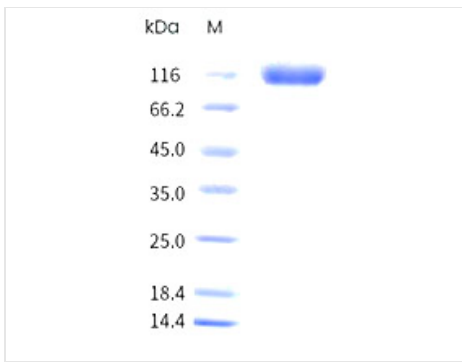
IMAGES



Application Data

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Immobilized Recombinant Human R-Spondin 1 / RSPO1 Protein (His Tag) (Cat:11083-H08H) at 2ug/mL (100uL/well) can bind Recombinant Human LRP6 Protein (Fc Tag) (#AAA259190), the EC50 is 120-360 ng/mL.



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ADDITIONAL INFORMATION

Related Product Information for LRP-6 recombinant protein

Lipoprotein receptor-related protein 6 (LRP6) binds to Wnt ligands to transduce signal by stabilization of beta-catenin, which has been involved in the regulation of embryonic development and metabolism. Low density lipoprotein (LDL) receptor-related protein-6 (LRP6) is an important co-receptor of Wnt pathway, which plays a predominant role in the development and progression of colorectal cancer. This gene, termed LDL receptor-related protein 6 (LRP6), encodes a transmembrane protein that has 71% identity and is structurally similar to the protein encoded by LRP5, a proposed candidate gene for type 1 diabetes located on human chromosome 11q13. LRP6 maps to human chromosome 12p11-p13.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148727288
NCBI GeneID	4040
NCBI Accession #	NP_002327.2
NCBI GenBank Nucleotide #	NM_002336.2
UniProt Accession #	O75581; Q17RZ2
Molecular Weight	180,429 Da
NCBI Official Full Name	low-density lipoprotein receptor-related protein 6
NCBI Official Synonym Full Names	low density lipoprotein receptor-related protein 6
NCBI Official Symbol	LRP6
NCBI Official Synonym Symbols	ADCAD2
NCBI Protein Information	low-density lipoprotein receptor-related protein 6; LRP-6
UniProt Protein Name	Low-density lipoprotein receptor-related protein 6
UniProt Gene Name	LRP6
UniProt Synonym Gene Names	LRP-6
UniProt Entry Name	LRP6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.