

LDL Receptor Related Protein 4 Recombinant Protein | LRP4 recombinant protein

Recombinant Human LDL Receptor Related Protein 4

CATALOG #
AAA38057

HOST
HEK293 Cells

PRODUCT SYNONYMS

LDL Receptor Related Protein 4; Recombinant Human LDL Receptor Related Protein 4; LDL Receptor Related Protein 4 Human Recombinant; Low-density lipoprotein receptor-related protein 4; LRP-4; Multiple epidermal growth factor-like domains 7; LRP4; KIAA0816; LRP10; MEGF7; LRP4 Human; LRP4 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>95.0% as determined by SDS-PAGE
Form/Format	LRP4 filtered (0.4 um) and lyophilized from 0.5mg/ml solution in PBS, 5% (w/v) trehalose pH 7.5.
Sequence	ASSSPECACG RSHFTCAVSA LGECTCIPAQ WQCDGDND CG DHSDEDCIL PTCSPLD FHC DNGKCIRRSW VCDGDND CED DSDEQDCPPR ECEEDEFPCQ NGYCIRSLWH CDGDND CGDN SDEQCDMRKC SDKEFRCS DG SCIAEHWYCD GDTDC KDGS D EENCPSAVPA PPCNLEEFQC AYGR CILDIY HCDGDDDCGD WSDSDCSSH QPCRSGEFMC DSGLCINAGW RCDGDAD CDD QSDERNCTTS MCTAEQFRCH SGRCVRLSWR CDGEDDCADN SDEENCENTG SPQCALDQFL CWNGRCIGQR KLCNGVND CG DNSDESPQQN CRPRTGEENC NVNNGGCAQK CQMVRGAVQC TCHTGYRLTE DGHTCQDVNE CAEEGYCSQG CTNSEGAFQC WCETGYELRP DRRSCKALGP EPVLLFANRI DIRQVLPHRS EYTL LNNLE NAIALDFHHR RELVFWSDVT LDRILRANLN GSNVEEVST GLESPGGLAV DWVHDKLYWT DSGTSRIEVA NLDGAHRKVL LWQNL EKPR IALHPMEGTI YWTDWGNTPR IEASSMDGSG RRIIADTHLF WPNGLTIDYA GRRMYWDAK HHVIERANLD GSHRKA VISQ GLPHFAITV FEDSLYWDW HTKSINSANK FTGKNQEIR NKLHFPMDIH TLHPQRQ PAG KNRCGDNNGG CTHLCLPSGQ NYTCACPTGF RKISSHACAQ SLDKFLLFAR RMDIRRI SFD TEDLSDDVIP LADVRS AVAL DWDSRDDH VY WTDVSTDTIS RAKWDGTGQE VVVDTSLESP AGLAIDWVTN KLYWTDAGTD RIEVANTDGS MRTVLIWENL DRPRDIVVEP MGGYMYWDW GASPKIERAG MDASGRQVII SSNLTWP NGL AIDYGSQRLY WADAGMKTIE FAGLDGSKRK VLIGSQLPHP FGLTYGERI YWTDWQTKSI QSADRLTGLD RETLQENLEN LMDIHVFHRR RPPVSTPCAM ENGGCSHLCL RSPNPSGFSC TCPTGINLLS DGKTCSPGMN SFLIFARRID IRMVSLDIPY FADVVVPINI TMKNIAVG V DPQEGKVYWS DSTLHRISRA NLDGSQHEDI ITTGLQT TDG LAVDAIGRKV YWTDGTGNRI EVGNLDGSMR KVLVWQNLDS PRAIVLYHEM GFMYWTDWGE NAKLERSGMD GSDRAVLINN NLGWPNGLTV DKASSQLLWA DAHTERIEAA DLNGANRHTL VSPVQHPYGL TLLDSYIYWT DWQTRSIHRA DKGTGSNVIL VRSNLPGLMD MQAVDRAQPL GFNKCGSRNG GCSHLCLPRP SGFSCACPTG IQLKGDGKTC DPSPETYLLF SSRGSIRRI S LDTSDHTDVH VPVPELNNVI SLDYDSVDGK VYYTDVFLDV IRRADLNGSN METVIGRGLK TTDGLAVDWV ARNLYWTDG RNTIEASRLD GSCRKVLINN SLDEPRAI AV FPRKGYLFWT DWGHIKIER ANLDGSEKRV LINTDLGWPN GLTLDYDTRR IYWVDAHLDR IESADLNGKL RQVLVGHVSH PFALTQQDRW IYWTDWQTKS IQRVDKYSGR NKETVLANVE GLMDIIVVSP QRQTGTNACG VNNGGCTHLC FARASDFVCA CPDEPDSQPC SLVPGLVPPA PRATGMSEKS PVL PNTPTT LYSSTTRTRT SLEEVEGRCS ERDARLGLCA RSND AVPAAP GEGLI SKLH HHHHHHHHH
Sequence Length	1905
Solubility	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely.
Preparation and Storage	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

ADDITIONAL INFORMATION

Related Product Information for LRP4 recombinant protein	Introduction: LRP4 encodes a part of the low-density lipoprotein receptor-related protein family, which comprises of many evolutionarily conserved transmembrane proteins. LRP4 mediates SOST-dependent inhibition of bone formation. LRP4 takes part in the formation and the maintenance of the neuromuscular junction which is the synapse between skeletal muscle and motor neuron. LRP4 plays a role as a specific facilitator of SOST-mediated inhibition of Wnt signaling. Description: LRP4 Human Recombinant is a single, glycosylated polypeptide chain containing 1719 amino acids (21-1725a.a) and having a molecular mass of 191.6kDa (calculated). LRP4 is fused to a 14 a.a His tag (2 a.a on N-terminal and 12 a.a on C-terminal).
Product Categories/Family for LRP4 recombinant protein	Recombinant & Natural Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	157384998
NCBI GeneID	4038
NCBI Accession #	NP_002325.2
NCBI GenBank Nucleotide #	NM_002334.4
UniProt Accession #	O75096
NCBI Official Full Name	low-density lipoprotein receptor-related protein 4
NCBI Official Synonym Full Names	LDL receptor related protein 4
NCBI Official Symbol	LRP4
NCBI Official Synonym Symbols	CLSS; CMS17; LRP-4; LRP10; MEGF7; SOST2
NCBI Protein Information	low-density lipoprotein receptor-related protein 4
UniProt Protein Name	Low-density lipoprotein receptor-related protein 4
UniProt Gene Name	LRP4
UniProt Synonym Gene Names	KIAA0816; LRP10; MEGF7; LRP-4
UniProt Entry Name	LRP4_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.

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Online datasheet: <https://stage.aaabiotech.com/lrp4-recombinant-protein-hek293-cells/38057>