

## 32-13302: LRP4 Human

**Alternative Name :** Low-density lipoprotein receptor-related protein 4, LRP-4, Multiple epidermal growth factor-like domains 7, LRP4, KIAA0816, LRP10, MEGF7.

### Description

Source: HEK293 Cells.

Filtered White lyophilized (freeze-dried) powder.

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.

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 Info

<b>Amount :</b>	2 µg / 10 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	LRP4 filtered (0.4 µm) and lyophilized from 0.5mg/ml solution in PBS, 5% (w/v) trehalose pH 7.5. 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
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	ASSSPECACG RSHFTCAVSA LGECTCIPAQ WQCDGDND CG DHSDEDCIL PTCSPDLFHC DNGKCIIRRSW VCDGDND CED DSDEQDCPPR ECEDEFPCQ NGYCIRSLWH CDGDND CGDN SDEQCDMRKC SDKEFRCS DGS CIAEHWYCDG DTDCCKDGSDE ENCPSAVPAP PCNLEEFQCA YGRCLDIYH CDGDDDCGDW SDESDCSSHQ PCRSGEF MCD SGLCINAGWRC DGDAD CDDQS DERNCTTSMCT AEQFRCHSGR CVRLSWRC DG EDDCADNSDE ENCENTGSPQ CALDQFLCWN GRCIGQRKLC NGVND CGDNS DESPQQNCRP RTGEENCNVN NGGCAQK CQM VRGAVQCTCH TGYRLTEDGH TCQDVNECAE EGYCSQGCTN SEGAFQCWCE TGYELRPDRR SCKALGPEPV LLFANRIDIR QVLPHRSEYT LLLNNLENAIA LDFHHRREL VFWSDVTLDR I LRANLNGSNV EEVSTGLES PGGLAVDWVH DKLYWTD SGTSR IEVANLDGAHR KVLLWQNLEK PRAIALHPME GTIYWTDWGN TPRIEASSMD GSGRR IADTHL FWPNGLTIDYAG RRMVWVDAKHVI ERANLDGSHRK AVISQGLPHFPA ITVFEDSLYWDW HTKSINSANKFTG KNQEIIRNKLH FPM DIHTLHPQRQPAGK NRCGDNNGGCTHLC LPSGQNYTCACPTG FRKISSHACAQ SLDKFLLFAR RMDIRRISFD TEDLSDDVIPL ADVRSAVALDW DSRDDHVYWT DVSTDTISRAKW DGTGQEVVVD T SLESPAGLAID WVTNKLYWTD AGTDRIEVAN TDGSMRTVLIW ENLDRPRDIVV EPMGGYMYWTDW GASP KIERAGM DASGRQVISS NLTWPNGLAIDY GSQRLYWADAG MKTIEFAGLD GSKRKVLIGSQL PHPFGLTYGE RIYWTDWQTKS IQSADRLTGLD RETLQENLEN LMDIHVFHRRR PVSTPCAMEN GGCSHLCLRS PNP SGFSCTCP TGINLLSDGKT CSPGMNSFLI FARRIDIRMVSL DIPYFADVVP INITMKNTIA VGVDPQEGKV YWSDSTLHRI SRANLDGSQH EDIITGLQT TDGLAVDAIG RKVYWTD TGT NRIEVGNLDG SMRKVLVWQNL DSPRAIVLYH EMGFMYWTDWG ENAKLERSGM DGSDRAVLIN NNLGWPNGLT VDKASSQLLWA DAHTERIEAA DLNGANRHTL VSPVQHPYGLTL LDSYIYWTDW QTRS IHRADK GTG SNVILVR SNLPGLMDMQ AVDRAQPLGF NKCGSRNGGC SHLCLPRPSG FSCACPTGIQ LKGDGKTC DPS PETYLLFSSR GSIRRISLDT SDHTDVHVPV PELNNVISLDY DSVDGKVYYTD VFLDVIRRAD LNGSNMETVI GRGLKTTDGL AVDWVARNLYW TDTGRNTIEASR LDGSCRKVLINN SLDEPRAIAVF PRKGYLFWTDW GHIAKIERANLD GSERKVLINTDL GWPNGLTLDYDTR RIYWVDAHLDR I ESADLNGKLRQ VLVGHVSHPFAL TQQDRWIYWTD WQTKSIQRVD KYSGRNKETVL ANVEGLMDII VVSPQRQTGTN ACGVNNGGCT HLCFARASDFVC ACPDEPDSQPC SLVPGLVPPA PRATGMSEKS PVLNPTPTT LYSSTTRTRT

SLEEVEGRCS ERDARLGLCA RSNDVPAAP GEGLHISKLH HHHHHHHHH