

## Product Information

### **MemDX™ Membrane Protein Human LRP4 (LDL receptor related protein 4) Expressed in CHO for Antibody Discovery, Partial (21-1725aa)**

Cat. No.: **MPX0067K**

This product is for research use only and is not intended for diagnostic use.

This product is a 191 kDa Human LRP4 membrane protein expressed in CHO. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

#### Product Specifications

##### Host Species

Human

##### Target Protein

LRP4

##### Protein Length

Partial (21-1725aa)

##### Protein Class

Receptor

##### Molecular Weight

191 kDa

##### TMD

1

##### Sequence

SSPECACGRSHFTCAVSALGECTCIPAQWQ  
CDGDNDCGDHSDEDEGCILPTCSPLDFHCDNGKCIIRSWVCDGDNDCEDDSD  
DEQDCPPRECEEEDEFPCQNGYCIIRSLWHCDGDNDCGDNDSEDCDMRKCS  
KEFRCSGSGCIAEHWYCDGDTDCDGSDEENCPSAVPAPPCNLEEFQCAY  
GRCILDIYHCDGDDDCGDWSDSDCSSHQPCRSGEFMCDSGLCINAGWRC  
DGDADCDQSDERNCTTSMCTAEQFRCHSGRCVRLSWRCDGEDDCADNSD  
EENCENTGSPQCALDQFLCWNGRCIGQRKLCNGVNDGCDNSDESPQQNCR  
PRTGEENCNVNNGGCAQKCQMVAVQCTCHTGYRLTEDGHTCQDVNECA  
EEGYCSQGCTNSEGAFQCWCETGYELRPDRRSCKALGPEPVLLFANRIDI  
RQVLPHRSEYTLNLENAIALDFHHRRELVFWSVTLDRILRANLNGS  
NVEEVVSTGLESPGLAVDWVHDKLYWTDSGTSRIEVANLDGAHRKVLLW  
QNLEKPRAIALHPMEGTIYWDWGNTPRIEASSMDGSGRRIIADTHLFWP  
NGLTIDYAGRRMYWVDAKHVIERANLDGSHRKAVISQGLPHPFITVFE  
DSLYWTDWHTKSINSANKFTGKNQEIIRNKLHFPMDIHTLHPQRQPAGKN  
RCGDNNGGCTHLCLPSGQNYTCACPTGFRKISSHACAQSLDKFLLFARM  
DIRRISFDTELDSDVIPLADVRSVALDWDSRDDHVYWTDVSTDTISRA  
KWDGTGQEVVVDTSLESPAGLAIDWVTNKLYWTDAGTDRIEVANTDGSMR  
TVLIWENLDRPRDIVPEPMGGYMYWTDWGASPKIERAGMDASGRQVISS  
NLTWPNGLAIDYGSQRLYWADAGMKTIEFAGLDGSKRKVLIGSQLPHFPFG

LTLYGERIYWTDWQTKSIQSADRLTGLDRETLQENLENLMDIHVFHRRRP  
PVSTPCAMENGGCASHLCLRSPNPSGFSCCTCPTGINLLSDGKTCSPGMNSF  
LIFARRIDIRMVSLDIPYFADVVPINITMKNTIAIGVDPQEGKVYWSDS  
TLHRISRANLDGSQHEDIITGLQTTDGLAVDAIGRKVYWTDGTGNRIEV  
GNLDGSMRKVLVWQNLDSPRAIVLYHEMGFMYWTDWGENAKLERSGMDGS  
DRAVLINNNLGWPNGLTVDKASSQLLWADAHERIEAADLNGANRHTLVS  
PVQHPYGLTLLDSYIYWTDWQTRSIHRADKGTGSNVILVRSNLPGLMDMQ  
AVDRAQPLGFNKCGRNNGGCASHLCLPRPSGFSCACPTGIQLKGDGKTCDP  
SPETYLLFSSRGSIRRIISLDTSDHTDVHVPVPELNNVISLDYDSVDGKVY  
YTDVFLDVIRRADLNGSNMETVIGRGLKTTDGLAVDWARNLYWTDGTGRN  
TIEASRLDGSCKVLINNSLDEPRAIAVFPRKGYLFWTDWGHIAKIERAN  
LDGSERKVLINTDLGWPNGLTLDYDTRRIYWVDAHLDRIESADLNGKLRQ  
VLVSHVSHPFALTQQDRWIYWTDWQTKSIQRVDKYSGRNKETVLANVEGL  
MDIIVVSPQRQTGTNACGVNNGGCTHLCFARASDFVCACPDEPDSRPCSL  
VPGLVPPAPRATGMSEKSPVLPNTPPTTLYSSTTRTRTSLEEVEGRCSE  
DARLGLCARSNDAPPAAPGEGHLIS

## Product Description

### Expression Systems

CHO

### Tag

6xHis tag at the C-terminus

### Protein Format

Soluble

### Form

LYOPH

### Reconstitution

Reconstitute at 300 µg/mL in PBS.

### Endotoxin

<0.1 EU/µg by the LAL method

### Purity

>80%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

### Buffer

Lyophilized from a 0.2 µm filtered solution in PBS.

### Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

## Target

### Target Protein

LRP4

### Full Name

LDL receptor related protein 4

**Introduction**

This gene encodes a member of the low-density lipoprotein receptor-related protein family. The encoded protein may be a regulator of Wnt signaling. Mutations in this gene are associated with Cenani-Lenz syndrome.

**Alternative Names**

CLSS; CMS17; LRP-4; LRP10; MEGF7; SOST2; low-density lipoprotein receptor-related protein 4; multiple epidermal growth factor-like domains 7; LRP4; LDL receptor related protein 4

**Gene ID**

[4038](#)

**UniProt ID**

[Q75096](#)