

PRODUCT DATASHEET

Low-Density Lipoprotein Receptor-Related Protein 4 Human HEK293

Cat. No.: RD172498100

Type: Recombinant protein

Size: 0.1 mg

Source: HEK293

Species: Human

Description

Total 1719 AA. MW: 191.6 kDa (calculated). UniProtKB acc. no. O75096 (Ser21-Ser1725). C-terminal His-tag. Altogether 14 extra AA (2 AA on the N-terminus, 12 AA on the C-terminus). Protein identity confirmed by LC-MS/MS.

Other names

LRP-4, LRP4, Multiple epidermal growth factor-like domains 7, MEGF7, KIAA0816, LRP10

Research topic

Animal studies

Amino Acid sequence

ASSSPEACG RSHFTCAVSA LGECTCIPaq WQCDGDNDG DSHDEGDCIL PTCSPDLDFHC DNGKCIRRSW VCDGDNDCED DSDEQDCPPR
ECEEDEFPCQ NGYCI RSLWH CDGDNDGDN SDEQCDMRKC SDKEFRCS DG SCIAEHWYCD GDTCKDGSD EENCPSAVPA PPCNLEEFQC
AYGRCILDIY HCDGDDDCGD WSDSDCSSH QPCRSGEFMC DSGLCINAGW RCDGDADCDQ QSDERNCTTS MCTAEQFRCH
SGRCVRLSWR CDGEDDCADN SDEENCENTG SPQCALDQFL CWNGRCIGQR KLCNGVNDG DNSDESPQQN CRPRTGEENC
NVNNGGCAQK CQMVRGAVQC TCHTGYRLTE DGHTCQDVNE CAEEGYCSQG CTNSEGAFQC WCETGYELRP DRRSCKALGP EPVLLFANRI
DIRQVLPHRS EYTLNNLE NAIALDFHHR RELVFWSDVT LDRILRANLN GSNVEEVVST GLESPGGLAV DWVHDKLYWT DSGTSRIEVA
NLDGAHRKVL LWQNLEKPR IALHPMEGTI YWTDWGNTPR IEASSMDGSG RRIADTHLF WPNGLTIDYA GRRMYWVDAK HHVIERANLD
GSHRKAIVSQ GLPHFAITV FEDSLYWTDW HTKSINSANK FTGKNQEIR NKLHFPMDIH TLHPQRQPAG KNRCGDNNGG CTHLCLPSGQ
NYTCACPTGF RKISSHACAQ SLDKFLFAR RMDIRISFD TEDLSDDVIP LADVRSVAL DWDSRDDHVY WTDVSTDITIS RAKWDGTGQE
VVDTSLESP AGLAIDWVTN KLYWTDAGTD RIEVANTDGS MRTVLIWENL DRPRDIVVEP MGGYMYWTDW GASPKIERAG MDASGRQVII
SSNLTPWNL AIDYGSQRLY WADAGMKTIE

Purity

Purity as determined by densitometric image analysis: > 95%

Endotoxin

< 0.1 EU/μg

Formulation:

Filtered (0.4 μm) and lyophilized from 0.5 mg/ml solution in phosphate buffered saline, 5% (w/v) trehalose pH 7.5.

Reconstitution:

Add 200 µl of deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely.

Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Store lyophilized protein at -80°C . Lyophilized protein remains stable until the expiry date when stored at -80°C . Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.

Quality control

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

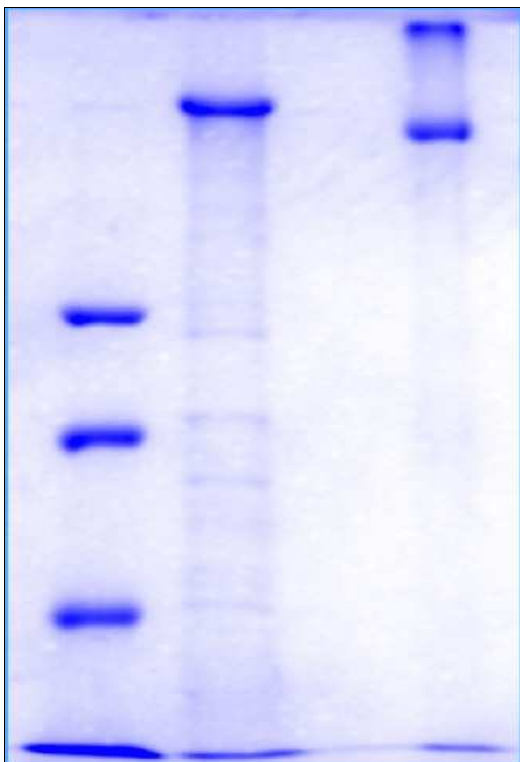
LAL to determine quantity of endotoxin.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.



8% SDS-PAGE separation of Human LRP-4:

1. M.W. marker – 45, 66, 97 kDa
2. Reduced and boiled sample, 2.5 µg/lane
3. Non-reduced and non-boiled sample, 2.5 µg/lane