BioVendor - Laboratorní medicína a.s.
Karásek 1767/1
621 00 Brno-Řečkovice a Mokrá Hora

Date of issue: 22.11.2018

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

Amino Acid sequence
ASSSPECACG RSHFTCAVSA LGECTCIPAQ WQCDGDNDCG DHSDEDGCIL PTCSPLDFHC DNGKCIRRSW VCDGDNDCED DSDEQDCPPR ECEEDEFPCQ NGYCIRSLWH CDGDNDCGDN SDEQCDMRKC SDKEFRCSDG SCIAEHWYCD GDTDCKDGSD EENCPSAVPA PPCNLEEFQC AYGRCILDIY HCDGDDDCGD WSDESDCSSH QPCRSGEFMC DSGLCINAGW RCDGDADCDD QSDERNCTTS MCTAEQFRCH SGRCVRLSWR CDGEDDCADN SDEENCENTG SPQCALDQFL CWNGRCIGQR KLCNGVNDCG DNSDESPQQN CRPRTGEENC NVNNGGCAQK CQMVRGAVQC TCHTGYRLTE DGHTCQDVNE CAEEGYCSQG CTNSEGAFQC WCETGYELRP DRRSCKALGP EPVLLFANRI DIRQVLPHRS EYTLLLNNLE NAIALDFHHR RELVFWSDVT LDRILRANLN GSNVEEVVST GLESPGGLAV DWVHDKLYWT DSGTSRIEVA NLDGAHRKVL LWQNLEKPRA IALHPMEGTI YWTDWGNTPR IEASSMDGSG RRIIADTHLF WPNGLTIDYA GRRMYWVDAK HHVIERANLD GSHRKAVISQ GLPHPFAITV FEDSLYWTDW HTKSINSANK FTGKNQEIIR NKLHFPMDIH TLHPQRQPAG KNRCGDNNGG CTHLCLPSGQ NYTCACPTGF RKISSHACAQ SLDKFLLFAR RMDIRRISFD TEDLSDDVIP LADVRSAVAL DWDSRDDHVY WTDVSTDTIS RAKWDGTGQE VVVDTSLESP AGLAIDWVTN KLYWTDAGTD RIEVANTDGS MRTVLIWENL DRPRDIVVEP MGGYMYWTDW GASPKIERAG MDASGRQVII SSNLTWPNGL 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.

Reconstituion:
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.

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There are BioVendor branches and distributors near you.
To find the office closest to you, visit www.biovendor.com/contact

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.

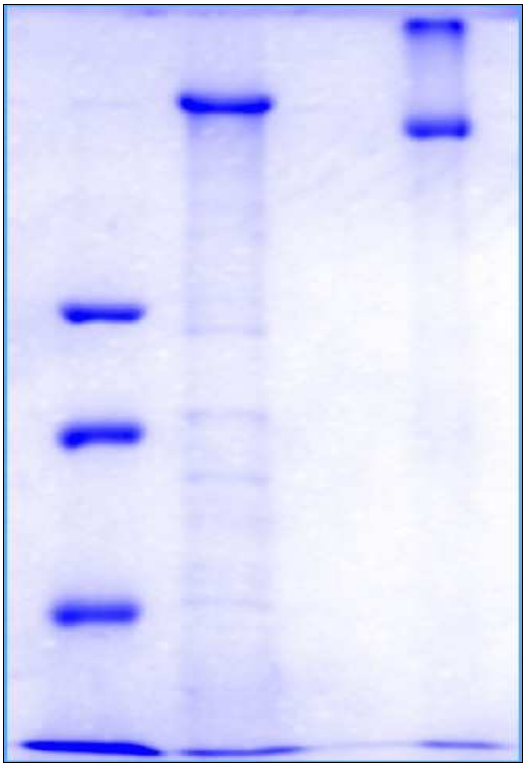
Quality control
BCA to determine quantity of the protein.

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

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