

Recombinant Human LRP12, His-tagged

Cat. No. LRP12-196H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Low-Density Lipoprotein Receptor-Related Protein 12/LRP12 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Glu33-Arg492) of Human ST7 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	33-492 a.a.
Description	Low-Density Lipoprotein Receptor-Related Protein 12 (LRP12) belongs to the LDLR family. LRP12 is a type I transmembrane protein and widely expressed in heart, skeletal muscle, brain, lung, placenta and pancreas. LRP12 contains 2 CUB domain and 5 LDL-receptor class A domain. LRP12 has been shown to interact with GNB2L1, ZFYVE9 and ITGB1BP3. LRP12 is a receptor probably, which may be involved in the internalization of lipophilic molecules and/or signal transduction. In addition, LRP12 may act as a tumor suppressor.
Form	Lyophilized from a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.2
AA Sequence	EHSENVHISGVSTACGETPEQIRAPSGIITSPGWPSEYPAKINC SWFIRANPGEIITISF QDFDI QGSRRCNLDWLT IET YKNIESYRACGSTIPPPYISSQDHIWIRFHSDDNISRK GFRLAYFSGKSE EPNCACDQFRCGNGKCIPEAWKCNNMDECGDSSDEEICAKEAN PPTAAAFQPCAYNQFQCLSRFT KVYTCLPESLKC DGNIDCLDLGDEIDCDVPTCGQ

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WLKYFYGTFNSPNYPDFYPPGSNCTWLIDTG DHRKVILRFTDFKLDGTGYGDYVKI
YDGLEENPHKLLRVLTAFDASHAPLTVVSSSGQIRVHFCAD KVNAARGFNATYQVDG
FCLPWEIPCGGNWGCYTEQQRCDGYWHCPNGRDETMCQKEEFPCSR NGVC
YPRSDRCNYQNHCNPGSDEKNCFFCQPGNFHCKNNRCVFESWVCDSQDDCGDG
SDEENCPV IVDHHHHHHH

Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Storage	Lyophilized protein should be stored at Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	LRP12 low density lipoprotein receptor-related protein 12 [Homo sapiens]
Official Symbol	LRP12
Synonyms	LRP12; low density lipoprotein receptor-related protein 12; low-density lipoprotein receptor-related protein 12; FLJ12929; ST7; suppressor of tumorigenicity 7 protein; DKFZp781F1053;
Gene ID	29967
mRNA Refseq	NM_001135703

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Protein Refseq	NP_001129175
UniProt ID	Q9Y561
Chromosome Location	8q22.2
Function	low-density lipoprotein receptor activity; protein binding; receptor activity;

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