

Product datasheet for **TP318918**

LRP6 (NM_002336) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens low density lipoprotein receptor-related protein 6 (LRP6), 20 µg
Species:	Human
Expression Host:	HEK293T



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Expression cDNA >RC218918 representing NM_002336
Clone or AA **Red**=Cloning site **Green**=Tags(s)
Sequence:

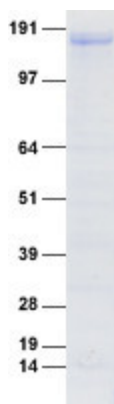
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 NATNPCGIDNNGGCSHLCLMSPVKPFYQCACPTGVKLENGKTKCKDGATELLLLARRTDLRRISLDPDFT
 DIVLQLEDIRHAIADYDPVEGYIYWTDDEVRAIRRSFIDGSGSQFVWTAQIAHPDGIADVWVARNLYWT
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 FRCANGQCIGKHKKCDHNVDCSDKSDDELDCYPTTEEPAPQATNTVGSVIGVITIFVSGTVYFICRMLCP
 RMKGDGETMTNDYVHGPASVPLGYVPHPSLSGSLPGMSRGMISLSIMGGSSGPPYDRAHVTGASS
 SSSSSTKGTYPAILNPPSPATERSHYTMEFGYSSNSPSTHRSYSYRYPYSYRHFAPPTTPCSTDVCDSD
 YAPSRRTSVATAKGYTSDLNYDSEVPPPTPRSQYLSAEENYESCPPSPYTERSYSHHLYPPPPSPCT
 DSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 178.4 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage: Store at -80°C.

Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002327
Locus ID:	4040
UniProt ID:	O75581
RefSeq Size:	5301
Cytogenetics:	12p13.2
RefSeq ORF:	4839
Synonyms:	ADCAD2; STHAG7
Summary:	This gene encodes a member of the low density lipoprotein (LDL) receptor gene family. LDL receptors are transmembrane cell surface proteins involved in receptor-mediated endocytosis of lipoprotein and protein ligands. The protein encoded by this gene functions as a receptor or, with Frizzled, a co-receptor for Wnt and thereby transmits the canonical Wnt/beta-catenin signaling cascade. Through its interaction with the Wnt/beta-catenin signaling cascade this gene plays a role in the regulation of cell differentiation, proliferation, and migration and the development of many cancer types. This protein undergoes gamma-secretase dependent RIP- (regulated intramembrane proteolysis) processing but the precise locations of the cleavage sites have not been determined.[provided by RefSeq, Dec 2009]
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Wnt signaling pathway

Product images:



Coomassie blue staining of purified LRP6 protein (Cat# TP318918). The protein was produced from HEK293T cells transfected with LRP6 cDNA clone (Cat# [RC218918]) using MegaTran 2.0 (Cat# [TT210002]).