

Recombinant Human LRP6 Protein, MYC/DDK-tagged

Cat. No. LRP6-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Homo sapiens low density lipoprotein receptor-related protein 6 (LRP6) with a C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	178.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade.
Concentration	>50 µg/mL as determined by microplate BCA method.
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

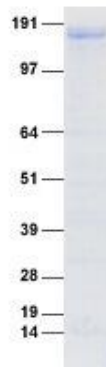
GENE INFORMATION

Gene Name	LRP6 LDL receptor related protein 6 [Homo sapiens (human)]
Official Symbol	LRP6
Synonyms	LRP6; LDL receptor related protein 6; ADCAD2; STHAG7; low-density lipoprotein receptor-related protein 6; LRP-6
Gene ID	4040
mRNA Refseq	NM_002336
Protein Refseq	NP_002327
MIM	603507
UniProt ID	O75581

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SDS-PAGE

Coomassie blue staining of purified LRP6 protein. The protein was produced from HEK293T cells transfected with LRP6 cDNA clone using MegaTran 2.0.

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