

Recombinant Mouse Ldlrap1 Protein, MYC/DDK-tagged

Cat. No. Ldlrap1-005M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse low density lipoprotein receptor adaptor protein 1 (Ldlrap1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Adapter protein (clathrin-associated sorting protein (CLASP)) required for efficient endocytosis of the LDL receptor (LDLR) in polarized cells such as hepatocytes and lymphocytes, but not in non-polarized cells (fibroblasts). May be required for LDL binding and internalization but not for receptor clustering in coated pits. May facilitate the endocytosis of LDLR and LDLR-LDL complexes from coated pits by stabilizing the interaction between the receptor and the structural components of the pits. May also be involved in the internalization of other LDLR family members. Binds to phosphoinositides, which regulate clathrin bud assembly at the cell surface. Required for trafficking of LRP2 to the endocytic recycling compartment which is necessary for LRP2 proteolysis, releasing a tail fragment which translocates to the nucleus and mediates transcriptional repression.
Molecular Mass	29.1 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

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handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade after receiving vials.

Concentration >50 ug/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 [Ldlrap1 low density lipoprotein receptor adaptor protein 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Ldlrap1](#)

Synonyms Ldlrap1; low density lipoprotein receptor adaptor protein 1; Arh; ARH2; Arh1; FHCB1; FHCB2; AA691260; low density lipoprotein receptor adapter protein 1; LDL receptor adaptor protein; autosomal recessive hypercholesterolemia protein homolog

Gene ID [100017](#)

mRNA Refseq [NM_145554](#)

Protein Refseq [NP_663529](#)

UniProt ID [Q8C142](#)

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