

## Low-density lipoprotein receptor-related protein 5

Catalog No: #AP79377

Package Size: #AP79377-1 50ug #AP79377-2 100ug #AP79377-3 1mg

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## Description

Product Name	Low-density lipoprotein receptor-related protein 5
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Mouse
Immunogen Description	1407-1614AA
Other Names	Lrp7,Low-density lipoprotein receptor-related protein 7,Lr3,LRP-7
Accession No.	Q91VN0Gene name:Lrp5
Uniprot	Q91VN0
GeneID	16973;
Calculated MW	22.88
Tag Info	His
Formulation	50mM NaH <sub>2</sub> PO <sub>4</sub> , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Component of the Wnt-Fzd-LRP5-LRP6 complex that triggers beta-catenin signaling through inducing aggregation of receptor-ligand complexes into ribosome-sized signalsomes. Cell-surface coreceptor of Wnt/beta-catenin signaling, which plays a pivotal role in bone formation. Plays a role in norrin (NDP) signal transduction. The Wnt-induced Fzd/LRP6 coreceptor complex recruits DVL1 polymers to the plasma membrane which, in turn, recruits the AXIN1/GSK3B-complex to the cell surface promoting the formation of signalsomes and inhibiting AXIN1/GSK3-mediated phosphorylation and destruction of beta-catenin (By similarity). Appears be required for postnatal control of vascular regression in the eye (PubMed:11956231). Required for posterior patterning of the epiblast during gastrulation (PubMed:15142971).

## References

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Note: This product is for in vitro research use only