

Recombinant Human SORL1

Cat. No. SORL1-29617TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 82-181 of Human SorLA with an N terminal proprietary tag; Predicted MWt 36.63 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	This gene encodes a mosaic protein that belongs to at least two families: the vacuolar protein sorting 10 (VPS10) domain-containing receptor family, and the low density lipoprotein receptor (LDLR) family. The encoded protein also contains fibronectin type III repeats and an epidermal growth factor repeat. The encoded protein is translated as a preproprotein and likely plays roles in endocytosis and sorting. There may be an association between expression of this locus and Alzheimers Disease.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Expressed mainly in brain, where it is most abundant in the cerebellum, cerebral cortex and the occipital pole; low expression in the putamen and the thalamus. According to PubMed:9157966, found in spinal cord, testis, liver, kidney and pancreas with dete
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	SAALQPEPIKVYGGVSLNDSHNQMVVHWAGEKSNVIVALARDSLALARPKSSDVYV SYDYGKSFKKISDKLNFGGLGNRSEAVIAQFYHSPADNKRYIFAD
Sequence Similarities	Belongs to the SORL1 family.Contains 5 BNR repeats.Contains 1 EGF-like domain.Contains 6 fibronectin type-III domains.Contains 11 LDL-receptor class A domains.Contains 5 LDL-receptor class B repeats.

GENE INFORMATION

Gene Name	SORL1 sortilin-related receptor, L(DLR class) A repeats containing [Homo sapiens]
Official Symbol	SORL1
Synonyms	SORL1; sortilin-related receptor, L(DLR class) A repeats containing; C11orf32, chromosome 11 open reading frame 32 , sortilin related receptor, L(DLR class) A repeats containing; sortilin-related receptor; gp250; LR11; LRP9; SorLA; SorLA 1;
Gene ID	6653
mRNA Refseq	NM_003105
Protein Refseq	NP_003096
MIM	602005

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Uniprot ID	Q92673
Chromosome Location	11q23.2-q24.4
Function	low-density lipoprotein particle binding; receptor activity; transmembrane signaling receptor activity;

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