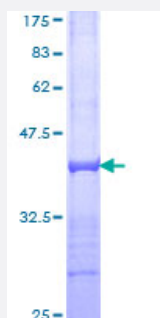


SORL1 (Human) Recombinant Protein (Q01)

Catalog # H00006653-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SORL1 partial ORF (NP_003096, 82 a.a. - 181 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SAALQPEPIKVYGGQVSLNDSHNQMVVHWAGEKSNVIVALARDSLALARPKSSDVVVSVDYDGKSF KKISDKLNFGLGNRSEAVIAQFYHSPADNKRYIFAD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (92); Rat (91)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SORL1

Entrez GeneID [6653](#)

GeneBank Accession# [NM_003105](#)

Protein Accession# [NP_003096](#)

Gene Name SORL1

Gene Alias C11orf32, FLJ21930, FLJ39258, LR11, LRP9, SORLA, SorLA-1, gp250

Gene Description sortilin-related receptor, L(DLR class) A repeats-containing

Omim ID [104300 602005](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes a protein that belongs to the families of vacuolar protein sorting 10 (VPS10) domain-containing receptor proteins, of low density lipoprotein receptor (LDLR) proteins, and of fibronectin type III repeats proteins. In addition to VPS10, LDLR and fibronectin type 3 domains, this protein also includes an epidermal growth factor precursor-like module, a single transmembrane segment and a cytoplasmic tail with features similar to endocytosis- and sorting-competent receptors. Members of the VPS10 domain-containing receptor family are large with many exons but the CDS lengths are usually less than 3700 nt; this gene is an exception to the pattern with a CDS length greater than 6600 nt. Very large introns typically separate the exons encoding the VPS10 domain; the remaining exons are separated by much smaller-sized introns. The encoded protein is mainly intracellular and localizes in the paranuclear compartment. It is synthesized as a preproprotein, and when the propeptide is still attached, no binding occurs to the VPS10 domain. This gene is strongly expressed in the central nervous system. [provided by RefSeq]

Other Designations mosaic protein LR11|sortilin-related receptor containing LDLR class A repeats

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Cerebrovascular Disorders](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Down Syndrome](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intelligence Tests](#)
- [Nerve Degeneration](#)
- [Neuropsychological Tests](#)
- [Psychiatric Status Rating Scales](#)
- [Tobacco Use Disorder](#)
- [Werner syndrome](#)