

Active Recombinant Human SORCS1 Protein, His tagged

Cat. No. SORCS1-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human SORCS1 Protein(Ser111-Ser1099, Ser231Gly) with a C-terminal 6-His tag was expressed in Mouse myeloma cell line.
Species	Human
Source	Mammalian Cells
ProteinLength	111-1099 aa, Ser231Gly
Description	This gene encodes one family member of vacuolar protein sorting 10 (VPS10) domain-containing receptor proteins. The VPS10 domain name comes from the yeast carboxypeptidase Y sorting receptor Vps10 protein. Members of this gene family are large with many exons but the CDS lengths are usually less than 3700 nt. Very large introns typically separate the exons encoding the VPS10 domain; the remaining exons are separated by much smaller-sized introns. These genes are strongly expressed in the central nervous system. Two of the five family members (sortilin and sortilin-related receptor) are synthesized as preproteins; it is not yet known if this encoded protein is also a preproprotein. Alternatively spliced transcript variants encoding different isoforms have been identified.
Molecular Mass	112 kDa
N-terminal Sequence Analysis	Ser111

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Bio-Activity	Measured by its binding ability in a functional ELISA. Immobilized rhSorCS1 at 1 µg/mL (100 µL/well) can bind rh beta-NGF with an apparent KD < 75 nM.
Endotoxin	< 0.1 EU/µg by LAL.
Purity	> 85 % by SDS-PAGE under reducing conditions and visualized by silver stain
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature.
Reference	1. Hampe, W. et al. (2001) Hum. Genet. 108:529. 2. Hermey, G. et al. (1999) Biochem. Biophys. Res. Commun. 266:347. 3. Hermey, G. et al. (2003) J. Biol. Chem. 278:7390.

GENE INFORMATION

Gene Name	SORCS1 sortilin related VPS10 domain containing receptor 1 [Homo sapiens (human)]
Official Symbol	SORCS1
Synonyms	SORCS1; sortilin-related VPS10 domain containing receptor 1; VPS10 domain-containing receptor SorCS1; sorCS1; VPS10 domain receptor protein SORCS 1;

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hSorCS; FLJ41758; FLJ43475; FLJ44957

Gene ID	114815
mRNA Refseq	NM_001013031
Protein Refseq	NP_001013049
MIM	606283
UniProt ID	Q8WY21

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