

Recombinant Human SORT1 protein, His & GST-tagged

Cat. No. SORT1-8143H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SORT1 aa. (Trp50~Asp320 (Accession# Q99523)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Trp50~Asp320
Description	This gene encodes a member of the VPS10-related sortilin family of proteins. The encoded preproprotein is proteolytically processed by furin to generate the mature receptor. This receptor plays a role in the trafficking of different proteins to either the cell surface, or subcellular compartments such as lysosomes and endosomes. Expression levels of this gene may influence the risk of myocardial infarction in human patients. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 59.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 8.7.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.05% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	SORT1 sortilin 1 [Homo sapiens (human)]
Official Symbol	SORT1
Synonyms	NT3; Gp95; NTR3; LDLCQ6; 100 kDa NT receptor; glycoprotein 95; neurotensin receptor 3; sortilin
Gene ID	6272
mRNA Refseq	NM_001205228.1
Protein Refseq	NP_001192157.1

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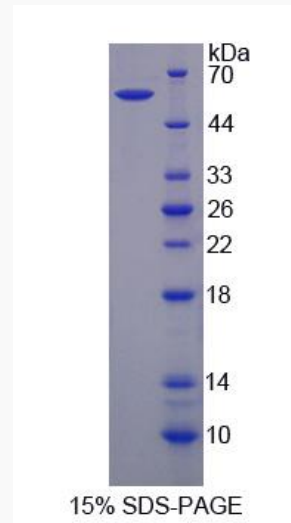
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UniProt ID

Q99523

SDS-PAGE



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