

Datasheet for ABIN5710402

Sortilin 1 Protein (SORT1) (AA 610-754) (His-SUMO Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Sortilin 1 (SORT1)
Protein Characteristics:	AA 610-754
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Sortilin 1 protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	CEENDYTTWL AHSTDPGDYK DGCILGYKEQ FLRLRKSSVC QNGRDYVVAK QPSICPCSLE DFLCDFGYFR PENASECVEQ PELKGHELEF CLYGKEEHLT TNGYRKIPGD RCQGGMNPAR EVKDLKKKCT SNFLNPKKQN SKSSS
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	Sortilin 1 (SORT1)
Alternative Name:	SORT (SORT1 Products)
Background:	Functions as a sorting receptor in the Golgi compartment and as a clearance receptor on the cell surface. Required for protein transport from the Golgi apparatus to the lysosomes by a

Target Details

pathway that is independent of the mannose-6-phosphate receptor (M6PR). Also required for protein transport from the Golgi apparatus to the endosomes. Promotes neuronal apoptosis by mediating endocytosis of the proapoptotic precursor forms of BDNF (proBDNF) and NGFB (proNGFB). Also acts as a receptor for neurotensin. May promote mineralization of the extracellular matrix during osteogenic differentiation by scavenging extracellular LPL. Probably required in adipocytes for the formation of specialized storage vesicles containing the glucose transporter SLC2A4/GLUT4 (GLUT4 storage vesicles, or GSVs). These vesicles provide a stable pool of SLC2A4 and confer increased responsiveness to insulin. May also mediate transport from the endoplasmic reticulum to the Golgi.

Molecular Weight:	32.5 kDa
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UniProt:	O54861
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Pathways:	Neurotrophin Signaling Pathway
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Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
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Restrictions:	For Research Use only
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Handling

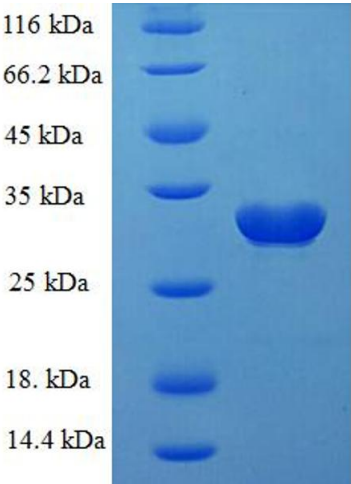
Format:	Liquid
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Concentration:	0.1-2 mg/mL
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Buffer:	20 mM Tris-HCl based buffer, pH 8.0
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Storage:	-80 °C, 4 °C, -20 °C
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Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
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SDS-PAGE

Image 1.