

Datasheet for ABIN7121471

Sortilin 1 Protein (SORT1) (His tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Sortilin 1 (SORT1)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Sortilin 1 protein is labelled with His tag.

Product Details

Purpose:	Human Sortilin / SORT1 Protein, His Tag (MALS verified)
Sequence:	Ser 78 - Asn 755
Characteristics:	Human Sortilin / SORT1, His Tag (SON-H52H5) is expressed from human 293 cells (HEK293). It contains AA Ser 78 - Asn 755 (Accession # Q99523-1).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Grade:	MALS verified

Target Details

Target:	Sortilin 1 (SORT1)
Alternative Name:	Sortilin / SORT1 (SORT1 Products)
Background:	Synonyms: Sortilin, SORT1, 100 kDa NT receptor, Glycoprotein

Target Details

95,Gp95,Gp95LDLCQ6,Neurotensin receptor 3,NT3NTR3,Ntr3,sortilin 1,

Description: The Sortilin is 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 pathway that is independent of the mannose-6-phosphate receptor (M6PR). Lysosomal proteins bind specifically to the receptor in the Golgi apparatus and the resulting receptor-ligand complex is transported to an acidic prelysosomal compartment where the low pH mediates the dissociation of the complex. The receptor is then recycled back to the Golgi for another round of trafficking through its binding to the retromer.

Molecular Weight: 77.6 kDa

Pathways: [Neurotrophin Signaling Pathway](#)

Application Details

Application Notes: This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 77.6 kDa. The protein migrates as 80-95 kDa under reducing (R) condition due to glycosylation.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Storage: -20 °C

Storage Comment: -20°C