

Catalog No.: RP03274 **Recombinant**

Species	Gene ID	Swiss Prot
Human	6272	O99523-1

C-His

SORT1; Sortilin; 100 kDa NT receptor;
Glycoprotein 95; Gp95; Neurotensin
receptor 3; NT3; NTR3

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
76.57 kDa	80-110 kDa

< 0.01 EU/μg of the protein by LAL method

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

Recombinant Human Sortilin/SORT1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser78 - Asn755) of Human Sortilin/SORT1 Protein (Accession #NP_002950.3) fused with His tag at the C-terminus.

Storage

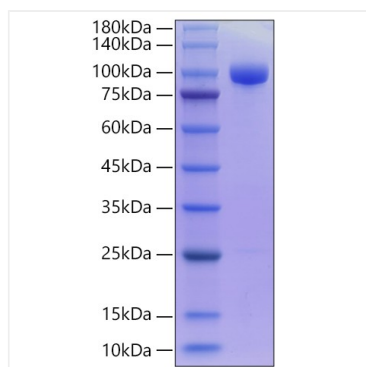
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

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Validation Data



Recombinant Human Sortilin/SORT1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.