Certificate of Analysis & Data Sheet

Catalog Number: 230-30085

RayBiotech
Empowering your proteomics

Recombinant Human sorting nexin 1

Source

Species	Human
Accession Number	Q13596
Gene Symbol	SNX1
Expressed Region	Ala 2-Ser 522
Synonyms	sorting nexin 1, Sorting nexin-1, Sorting Nexin 1, Sorting Nexin 1A, HsT17379, VPS5

Preparation

Expression System	Human Embryonic Kidney 293 Cells
Tag	N-terminal histidine tag
Purification	His-tag affinity purification by immobilized metal ion affinity chromatography (IMAC)
Purity	>95%
Purity Determined By	SDS-PAGE under reducing conditions and visualized by Coomassie blue staining
Molecular Weight	Recombinant Human sorting nexin 1 has a calculated molecular mass of 63 kDa. Due to the abundant glycosylation, it migrates as approximately 80 kDa protein bands in SDS-PAGE under DTT, beta-mercaptoethanol reducing conditions.

Protein Specifications

Format	Lyophilized powder
Formulation	Lyophilized from a 0.2 ?m filtered solution in PBS
Concentration	Determined by Pierce BCA protein assay kit
Preservative	None
Recommended Applications	Functional Assay, Protein-protein Interaction, Post-translational Modifications, ELISA, EIA, Western Blotting, Dot Blotting, Immunoprecipitation, Protein Array, etc.
Reconstitution	Briefly spin the vial and bring the contents to the bottom prior to opening. It is recommended to reconstitute at 0.5 - 1.0 mg/mL with sterile deionized water.

SDS-PAGE Image

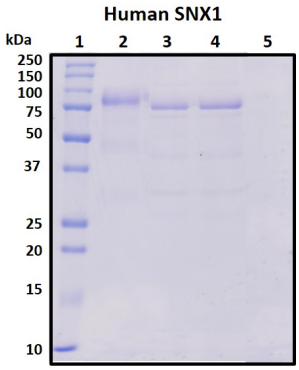

Figure 1. Deglycosylation of purified recombinant proteins. Purified proteins were untreated (Lane 2) or treated with Protein Deglycosylation Kit under native (Lane 3) or reducing (Lane 4) conditions. Deglycosylation treatment resulted in a mobility shift of the protein to produce one major band at the expected size, thus indicating that the untreated recombinant protein (Lane 2) was glycosylated.
Lane 1: Protein standard ladder (kDa)
Lane 2: Untreated protein under reducing conditions
Lane 3: Treated protein with deglycosylation enzymes under native conditions
Lane 4: Treated protein with deglycosylation enzymes under reducing conditions.
Lane 5: Deglycosylation mixture only without target proteins.

Shipping

Ice packs

Storage/Stability

Upon arrival, the lyophilized protein may be stored for 2 weeks at 4°C. For long term storage, it is recommended to store desiccated below -20 °C in a manual defrost freezer. Following reconstitution, the protein may be stored for 2 weeks under sterile conditions at -20 °C. For long term storage, it is recommended to make appropriate aliquots and store at -80 °C. Avoid repeated freeze-thaw cycles.