abcam

Product datasheet

Recombinant Human SNX3 protein ab109970

1 Image

Description

Product name	Recombinant Human SNX3 protein
Purity	> 95 % SDS-PAGE. ab109970 was purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	O60493
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	**MGSSHHHHHHSSGLVPRGSH**MAETVADTRRLITKPQNL NDAYGPPSNFLE IDVSNPQTVGVGRGRFTTYEIRVKTNLPIFKLKESTVRRRYS DFEWLRSE LERESKVVVPPLPGKAFLRQLPFRGDDGIFDDNFIEERKQ GLEQFINKVA GHPLAQNERCLHMFLQDEIIDKSYTPSKIRHA
Predicted molecular weight	21 kDa including tags
Amino acids	1 to 162
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab109970** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

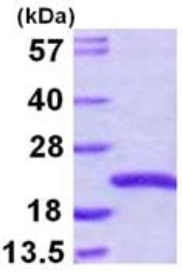
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.0154% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.058% Sodium chloride

General Info

Function	Phosphoinositide-binding protein required for multivesicular body formation. Specifically binds phosphatidylinositol-3-phosphate (PtdIns(P3)). Plays a role in protein transport between cellular compartments. Promotes stability and cell surface expression of epithelial sodium channel (ENAC) subunits SCNN1A and SCNN1G (By similarity). Not involved in EGFR degradation.
Involvement in disease	A chromosomal aberration involving SNX3 may be a cause of microphthalmia syndromic type 8 (MCOPS8) [MIM:601349]. Translocation t(6;13)(q21;q12). Microphthalmia is a clinically heterogeneous disorder of eye formation, ranging from small size of a single eye to complete bilateral absence of ocular tissues (anophthalmia). In many cases, microphthalmia/anophthalmia occurs in association with syndromes that include non-ocular abnormalities. MCOPS8 is a very rare congenital syndrome characterized by microcephaly, microphthalmia, ectrodactyly of the lower limbs and prognathism. Intellectual deficit has been reported.
Sequence similarities	Belongs to the sorting nexin family. Contains 1 PX (phox homology) domain.
Domain	The PX domain mediates specific binding to phosphatidylinositol-3-phosphate (PtdIns(P3)).
Post-translational modifications	Ubiquitinated, leading to its proteasomal degradation. Deubiquitinated by USP10.
Cellular localization	Early endosome.

Images



SDS-PAGE - Recombinant Human SNX3 protein (ab109970)

15% SDS-PAGE analysis of 3 µg ab109970.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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