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# Recombinant human SNX3 protein

Catalog Number: ATGP1101

# **PRODUCT INFORMATION**

# **Expression system**

E.coli

#### **Domain**

1-162aa

#### UniProt No.

060493

#### **NCBI Accession No.**

NP 003786

#### **Alternative Names**

Sorting nexin 3, SDP3

# PRODUCT SPECIFICATION

### **Molecular Weight**

20.9 kDa (182aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 0.1M NaCl

#### **Purity**

> 95% by SDS-PAGE

#### Tag

His-Tag

## **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

### **Description**

Sorting nexin 3 (SNX3), also known as SDP3, is a member of the large family of hydrophilic proteins that interact with a variety of receptor types and are involved in intracellular trafficking. This protein interacts with phosphatidylinositol-3-phosphate, and is involved in protein trafficking. SNX3 comprises a distinct subgroup of nexins that share less sequence similarity outside of the PX domain and have dramatically different binding affinities for the tyrosine kinase receptors. Recombinant human SNX3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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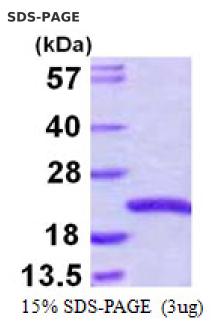
# **Amino acid Sequence**

MGSSHHHHHH SSGLVPRGSH MAETVADTRR LITKPQNLND AYGPPSNFLE IDVSNPQTVG VGRGRFTTYE IRVKTNLPIF KLKESTVRRR YSDFEWLRSE LERESKVVVP PLPGKAFLRQ LPFRGDDGIF DDNFIEERKQ GLEQFINKVA GHPLAQNERC LHMFLQDEII DKSYTPSKIR HA

# **General References**

Horazdovsky B F., et al. (1997) Mol Biol Cell. 8:1529-1542. Haft C R., et al. (1998) Mol Biol Cell. 18:7278-7287.

# **DATA**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

