

SNX1, 146-522aa, Human, His tag, E.coli

Cat.NO.: TP03997

3th Edition

Synonyms:HsT17379, SNX1A, Vps5, Sorting nexin-1

Description:SNX1(Sorting nexin 1) is a member of a large family of hydrophilic proteins that interact with a variety of receptor types and are involved in intracellular trafficking. SNX1 and the related splice variant, SNX1A, bind the epidermal growth factor (EGF) receptor, facilitate its transport to lysosome, and thereby contribute to the degradation of the receptor. This protein is all partially associated with cellular membranes, and they, likewise, associate with EGF, PDGF and Insulin receptor tyrosine kinases. Recombinant human SNX1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.1M NaCl,1mM DTT

Molecular Weight:48.0 kDa (415aa), confirmed by MALDI-TOF

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGGSM TVGITDPEKIGDGMNAYVAYKVTTQTSLPLFRSK
QFAVKRRFSDFLGLYEKLSSEKHSQNGFVPPPPEKSLIGMTKVKVGKEDSSSAEFLEKRRALERYLQRIVNHPTML
QDPDVREFLEKEELPRAVGTQTL SGAGLLKMFNKATDAVSKMTIKMNESDIWFEEKLQEVECEEQRLRKLHAVVET
LVNHRKELALNTAQFAKSLAMLGSSSEDNTALSRALSQLAEVEEKIEQLHQEQANNDFFLLAELLSDYIRLLAIVRAAF
DQRMKTWQRWQDAQATLQKKREAEARLLWANKPDKLQQA KDEILEWESRV TQYERDFERISTVVRKEVIRFEKEK
SKDFKNHVIKYLETL LYSQQQLAKYWEAFLPEAKAIS

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.