

SNX5, 1-404aa , Human, His tag, E.coli

Cat.NO.: TP03999

3th Edition

Synonyms:Sorting nexin-5 isoform a , Sorting nexin 5, snx 5

Description:SNX5 also known as sorting nexin-5, is a member of the sorting nexin family. Members of this family contain a phox (PX) domain, which is a phosphoinositide binding domain, and are involved in intracellular trafficking. This protein is a component of the mammalian retromer complex, which facilitates cargo retrieval from endosomes to the trans-Golgi network. It has also been shown to bind to the Fanconi anemia, complementation group A protein. Recombinant human SNX5, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In phosphate buffered saline (pH7.4) containing 20% glycerol, 1mM DTT.

Molecular Weight:49.2kDa (427aa) confirmed by MALDI-TOF.

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMAAVPELLQQQEEDRSKLRVSVDLNVDPQLIDIPDALSERDKVKFTVHTK
TTLPTFQSPEFSVTRQHEDFVWLHDTLIETTDYAGLIIPPAPTKPDFDGPREKMQLGEGEGSMTKEEFAKMKQELE
AEYLAVFKKTVSSHEVFLQRLSSHPVLSKDRNFHVFLFYDQDLSVRRKNTKEMFGGFFKSVVKSADDEVLFVGVKEV
DDFFEQEKNFLINYYNRIKDSCVKADKMTRSHKNVADDYIHTAACLHSLALEEPTVIKKYLLKVAELFEKLRKVEGRV
SSDEDLKLTELLRYYMLNIEAAKDLLYRRTKALIDYENSNKALDKARLKSVDVLAEAHQECCQKFEQLSESAKEE
LINFKRKRVAEFRKNLIEMSELEIKHARNNVSLQSCIDLFKNN

Purity:> 95% by HPLC

Concentration:0.25mg/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.