

**CYTH3, 1-399aa, Human, His tag, E.coli**

**Cat.NO.: TP01823**

3th Edition

**Synonyms:**Cytohesin-3, Cytohesin 3, ARNO3, GRP1, PSCD3

**Description:**CYTH3 is a member of PSCD family. Members of PSCD family have identical structural organization that consists of an N-terminal coiled-coil motif, a central Sec7 domain, and a C-terminal pleckstrin homology (PH) domain, and appear to mediate the regulation of protein sorting and membrane trafficking. CYTH3 is involved in the control of Golgi structure and function, and it may have a physiological role in regulating ADP-ribosylation factor protein 6 (ARF) functions, in addition to acting on ARF1. Recombinant human CYTH3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

**Molecular Weight:**48.7 kDa (422aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMDEDGGGEGGGVPEDLSLEEREELDIRRRKKEIDDIERLKYEIAEVMTEID  
NLTSVEESKTTQRNKQIAMGRKKFNMDPKKGIQFLIENDLLQSSPEDVAQFLYKGEGLNKTVIGDYLGGERDEFNIKV  
LQAFVELHEFADLNLVQALRQFLWSFRLPGEAQKIDRMMEAFASRYCLCNPGVFQSTDTCYVLSFAIIMLNTSLHNNH  
NVRDKPTAERFIAMNRGINEGGDLPEELLRNLYESIKNEPFKIPEDDGNLTHHTFFNPDREGWLLKLGGRVKTWKR  
RWFILTDNCLYFFEYTTDKPRGIIPLNLSIREVEDPRKPNCFELYNP SHKGQVIKACKTEADGRVVEGNHVVYRIS  
APSPEEKEEWMKSIKASISRDPFYDMLATRKRRRIANKK

**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.