

Recombinant human CYTH3 protein

Catalog Number: ATGP2658

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-399aa

UniProt No.

O43739

NCBI Accession No.

NP_004218

Alternative Names

Cytohesin-3, Cytohesin 3, ARNO3, GRP1, PSCD3

PRODUCT SPECIFICATION

Molecular Weight

48.7 kDa (422aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by BRADFORD assay)

Formulation

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

Purity

> 90% 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

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.

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Amino acid Sequence

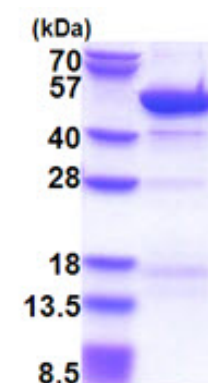
MGSSHHHHHH SSSLVPRGSH MGSMDEDGGG EGGGVPEDLS LEEREELDI RRRKKELIDD IERLKYEIAE VMTEIDNLTS
VEESKTTQRN KQIAMGRKKF NMDPKKGIQF LIENDLLQSS PEDVAQFLYK GEGLNKTIVG DYLGGERDEFN IKVLQAFVEL
HEFADLNLVQ ALRQFLWSFR LPGEAQKIDR MMEAFASRYC LCNPGVFQST DTCYVLSFAI IMLNTSLHNN NVRDKPTAER
FIAMNRGINE GGDLPPELLR NLYESIKNEP FKIPEDDGND LTHTFFNPDR EGWLLKLGGR VKTWKRRWFI LTDNCLYYFE
YTTDKPEPRGI IPLENLSIRE VEDPRKPNCF ELYNPSHKGQ VIKACKTEAD GRVVEGNHVV YRISAPSPEE KEEWMKSIKA
SISRDPFYDM LATRKRRRIAN KK

General References

Klarlund JK, Guilherme A, et al. (1997) Science 275 (5308): 1927-30.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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