
Product Data Sheet

Product Name: CYTH3 Human

Cat. No.: GP23288

Batch No.: 1

Product Data

Purity >98%

Source E.coli.

Physical Appearance solid

Shipping Condition Shipped with Ice Packs.

Synonyms Cytohesin 3; PSCD3; ARNO3; GRP1; PH SEC7 and Coiled-Coil Domain-Containing Protein 3 ; Pleckstrin Homology Sec7 and Coiled-Coil Domains 3; General Receptor of Phosphoinositides 1 ; ARF Nucleotide-Binding Site Opener 3 ; Protein ARNO3 ; Cytohesin-3; CYTH3.

Amino Acid Sequence
 MGSSHHHHHH SGLVPRGSH MGSMDEDGGG EGGVPEDLS LEEREELLDI
 RRRKKELIDD IERLKYEIAE VMTEIDNLTS VEESKTTQRN KQIAMGRKKF
 NMDPKKGIQF LIENDLLQSS PEDVAQFLYK GEGLNKTIVIG DYLGGERDEFN
 IKVLQAFVEL HEFADLNLVQ ALRQFLWSFR LPGEAQKIDR MMEAFASRYC
 LCNPGVVFQST DTCYVLSFAI IMLNTSLHNH NVRDKPTAER FIAMNRGINE
 GGDLPPELLR NLYESIKNEP FKIPEDDGND LHTHTFFNPDR EGWLLKLGGR
 VKTWKRRWFI LTDNCLYYFE YTTDKPRGI IPLENLSIRE VEDPRKPNCF
 ELYNPSHKGQ VIKACKTEAD GRVVEGNHVV YRISAPSPEE KEEWMKSIKA
 SISRDPFYDM LATRKRRRIAN KK.

Formulation The CYTH3 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.

Introduction

Cytohesin 3 (CYTH3) belongs to the PSCD family, whose members have identical structural organization which consists of an N-terminal coiled-coil motif, a central Sec7 domain, and a C-terminal pleckstrin homology (PH) domain, and seem to mediate the regulation of protein sorting and membrane trafficking. CYTH3 is involved in the regulation of Golgi structure and function, and it might have a physiological role in regulating ADP-ribosylation factor protein 6 (ARF) functions, in addition to acting on ARF1.

Stability

Caution: Product has not been fully validated for medical applications. For research use only.

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Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CYTH3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 422 amino acids (1-399) and having a molecular mass of 48.7 kDa. CYTH3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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