9051 Mira Mesa Blvd, #910094
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CYTH2 Human

Cytohesin 2 Human Recombinant
RCP0607

Product Overview

Name	CYTH2 Human
Description	
Cytohesin 2 Human Recombinant	
Accession (Primary)	Q99418
Synonyms	
ARF Nucleotide-Binding Site Opener, Pleckstrin Homology Sec7 And Coiled-Coil Domains 2 (Cytohesin-2), PH SEC7 And Coiled-Coil Domain-Containing Protein 2, Cytohesin 2, Protein ARNO, ARF Exchange Factor, Sec7p-Like, PSCD2, PSCD2L, CTS18.1, Sec7p-L, SEC7L.	
Introduction	
Cytohesin 2 (CYTH2) is an ARF-1 guanine nucleotide exchange factor (GEF). ARF (ADP ribosylation factor) proteins are a part of a group within the RAS superfamily and bindes GTP-b proteins central to the process of vesicle budding. CYTH2 promotes guanine-nucleotide exchange on ARF1, ARF3 and ARF6. Furthermore, CYTH2 promotes the activation of ARF factors through replacement of GDP with GTP. The protein encoded by CYTH2 is a member of the PSCD family. Members of PSCD family appear to mediate the regulation of protein sorting and membrane trafficking. The cell membrane form, in association with ARL4 proteins, recruits ARF6 to the plasma membrane.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The CYTH2 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 1mM DTT and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MEDGVYE PPDLTPEERM ELENIRRRKQ ELLVEIQRLR EELSEAMSEV	

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EGLEANEGSK TLQRNRKMAM GRKKFNMDPK KGIQFLVENE LLQNTPEEIA RFLYKGEGLN KTAIGDYLGE REELNLAVLH AFVDLHEFTD LNLVQALRQF LWSFRLPGEA QKIDRMMEAF AQRYCLCNPG VFQSTDTCYV LSFAVIMLNT SLHNPNVRDK PGLERFVAMN RGINEGGDLP EELLRNLYDS IRNEPFKIPE DDGNDLTHTF FNPDREGWLL KLGGRVKTWK RRWFILTDNC LYYFEYTTDK EPRGIIPLEN LSIREVDDPR KPNCFELYIP NNKGQLIKAC KTEADGRVVE GNHMVYRISA PTQEEKDEWI KSIQAAVSVD PFYEMLAARK KRISVKKKQE QP.

Precautions

CYTH2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q99418)