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32-3647: CYTH2 Recombinant Protein

Alternative Name :	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

Description

Source : E.coli. CYTH2 Human Recombinant produced in E. coli is a single polypeptide chain containing 422 amino acids (1-399) and having a molecular mass of 48.9 kDa. CYTH2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The CYTH2 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 1mM DTT and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMEDGVYE PPDLTPEERM ELENIRRRKQ ELLVEIQRLR EELSEAMSEV 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.