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32-3531: CHMP4A Recombinant Protein

Alternative Name :	Charged multivesicular body protein 4A,C14orf123,HSPC134,VPS32A,Vacuolar protein sorting-associated protein 32-1,chromatin modifying protein 4A,SHAX2,SNF7-1,SNF7 homolog associated with Alix-2,chromosome 14 open reading frame 123,CHMP4B,CH

Description

Source : E.coli. CHMP4A Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 285 amino acids (1-265 and having a molecular mass of 32.0kDa.CHMP4A is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. CHMP4A is a member of the SNF7 family and operates as chromatin-modifying protein. CHMP4A is a key component of the endosomal sorting vital for transport complex III (ESCRT-III) which takes part in multivesicular bodies (MVBs) formation and sorting of endosomal cargo proteins into MVBs. Additionally, during HIV-1 infection, the virus utilizes the ESCRT-III complex to facilitate budding and exocytosis of viral proteins through the connection of CHMP4 and a protein engaged by HIV-1 p6, which exists in viral Gag assembly and budding. CHMP4A is expressed in higher quantities in skeletal muscle, kidney, liver and heart.

Product Info

Amount :	5 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The CHMP4A solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 0.1mMPMSF, 1mM EDTA, 2mM DTT and 50% 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 MSRRRPEDGL GKAGPCVMRH HPPRSKAEVW RTLRGGGGRG ELAMSGLGRL FGKGKKEKGP TPEEAIQKLK ETEKILIKKQ EFLEQKIQQE LQTAKKYGTK NKRAALQALR RKKRFEQQLA QTDGTLSTLE FQREAIENAT TNAEVLRTME LAAQSMKKAY QDMDIDKVDE LMTDITEQQE VAQQISDAIS RPMGFGDDVD EDELLEELEE LEQEELAQEL LNVGDKEEEP SVKLPSVPST HLPAGPAPKV DEDEEALKQL AEWVS