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32-3529: CHMP2A Recombinant Protein

Alternative Name :	Charged multivesicular body protein 2a,Chromatin-modifying protein 2a,Vacuolar protein-sorting-associated protein 2-1,Putative breast adenocarcinoma marker BC-2,Vps2-1,hVps2-1,CHMP2A,BC2,CHMP2,BC-2,VPS2,VPS2A.

Description

Source : Escherichia Coli. CHMP2A Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 242 amino acids (1-222 a.a.) and having a molecular mass of 27.2 kDa.The CHMP2A is purified by proprietary chromatographic techniques. Chromatin modifying protein 2A (CHMP2A) is a member of the SNF7 family and it is a component of the ESCRT III complex, which is required for MVBs (multivesicular bodies) formation and sorting of endosomal cargo proteins into MVBs. The MVB pathway mediates release of transmembrane proteins into the lumen of the lysosome for degradation. The MVB pathway requires the sequential function of ESCRT-O, -I,-II and -III complexes. ESCRT-III proteins generally detach from the invaginating membrane before the ILV (intraluminal vesicles) is released. ESCRT-III proteins are thought to mediate the basic vesicle extrusion and/or membrane fission activities, probably in conjunction with the AAA ATPase VPS4.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The CHMP2A solution contains 20mM Tris-HCl buffer (pH8.0) , 0.1M NaCl 1mM DTT, and 30% 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 MDLLFGRRKT PEELLRQNQR ALNRAMRELD RERQKLETQE KKIIADIKKM AKQGQMDAVR IMAKDLVRTR RYVRKFVLMR ANIQAVSLKI QTLKSNNSMA QAMKGVTKAM GTMNRQLKLP QIQKIMMEFE RQAEIMDMKE EMMNDAIDDA MGDEEDEEES DAVVSQVLDE LGLSLTDELS NLPSTGGSLS VAAGGKKAEA AASALADADA DLEERLKNLR RD.

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