9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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CHMP2A Human

Chromatin Modifying Protein 2A Human Recombinant
RCP0427

Product Overview

Name	CHMP2A Human
Description	
Chromatin Modifying Protein 2A Human Recombinant	
Accession (Primary)	O43633
Synonyms	
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.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The CHMP2A solution contains 20mM Tris-HCl buffer (pH8.0) , 0.1M NaCl 1mM DTT, and 30% 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 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MDLLFGRRKT PEELLRQNQR ALNRAMRELD RERQKLETQE KKIIADIKKM	

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AKQGQMDAVR IMAKDLVRTR RYVRKFVLMR ANIQAVSLKI QTLKSNNSMA QAMKGVTKAM GTMNRQLKLP QIQKIMMEFE RQAEIMDMKE EMMNDAIDDA MGDEEDEEES DAVVSQVLDE LGLSLTDELS NLPSTGGSLS VAAGGKKAEA AASALADADA DLEERLKNLR RD.

Precautions

CHMP2A Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O43633)