9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CHMP4A Human

Chromatin Modifying Protein 4A Human Recombinant
RCP0429

Product Overview

Name	CHMP4A Human
Description	
Chromatin Modifying Protein 4A Human Recombinant	
Accession (Primary)	Q9BY43
Synonyms	
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, CHMP4a.	
Introduction	
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.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The CHMP4A solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 0.1mM PMSF, 1mM EDTA, 2mM DTT and 50% 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	

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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

Precautions

CHMP4A Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9BY43)