

Product datasheet for PH307637

CHMP4B (NM_176812) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CHMP4B MS Standard C13 and N15-labeled recombinant protein (NP_789782)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207637
Predicted MW:	25 kDa
Protein Sequence:	>RC207637 protein sequence Red=Cloning site Green=Tags(s) MSVFGKLFGAGGGKAGKGGPTPQEAIQRLRDTEEMLSKKQEFLEKKIEQELTAAKKHGTKNKRAALQALK RKKRYEKQLAQIDGTLSTIEFQREALENANTNTEVLKNMGYAAKAMKAAHDNMDIDKVDLMQDIADQQE LAEIESTAISKPVGFGEEFDEDELMAELEEEQEELDKNLLLEISGPETVPLPNVPSIALPSKPAKKKEEE DDDMKELENWAGSM TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_789782
RefSeq Size:	1664
RefSeq ORF:	672
Synonyms:	C20orf178; CHMP4A; CTPP3; CTRCT31; dj553F4.4; Shax1; SNF7; SNF7-2; Vps32-2; VPS32B
Locus ID:	128866
UniProt ID:	Q9H444



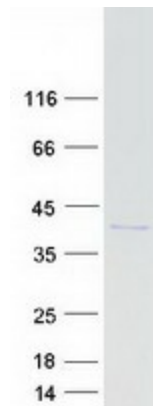
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Cytogenetics: 20q11.22

Summary: This gene encodes a member of the chromatin-modifying protein/charged multivesicular body protein (CHMP) protein family. The protein is part of the endosomal sorting complex required for transport (ESCRT) complex III (ESCRT-III), which functions in the sorting of endocytosed cell-surface receptors into multivesicular endosomes. The ESCRT machinery also functions in the final abscission stage of cytokinesis and in the budding of enveloped viruses such as HIV-1. The three proteins of the CHMP4 subfamily interact with programmed cell death 6 interacting protein (PDCD6IP, also known as ALIX), which also functions in the ESCRT pathway. The CHMP4 proteins assemble into membrane-attached 5-nm filaments that form circular scaffolds and promote or stabilize outward budding. These polymers are proposed to help generate the luminal vesicles of multivesicular bodies. Mutations in this gene result in autosomal dominant posterior polar cataracts.[provided by RefSeq, Oct 2009]

Protein Pathways: Endocytosis

Product images:



Coomassie blue staining of purified CHMP4B protein (Cat# [TP307637]). The protein was produced from HEK293T cells transfected with CHMP4B cDNA clone (Cat# [RC207637]) using MegaTran 2.0 (Cat# [TT210002]).