

Product datasheet for PH305093

MVB12B (NM_001011703) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FAM125B MS Standard C13 and N15-labeled recombinant protein (NP_001011703)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205093
Predicted MW:	24.5 kDa
Protein Sequence:	>RC205093 protein sequence Red=Cloning site Green=Tags(s) MRSFCVRRSRDPPPPQPPPPPPQRGTDQSTMPEVKDLSEALPETSMDPITGVGVVASRNRAPTGYDVVA QTADGVDADLWKDGLFKSKVTRYLCFTRFSKENSHLGNVLDVMDKLDIKDTLPVGFIPQIETVDTQEVA FRKKRLCIKFIIPRDSTEAACDIRIMGRKQAPPQYTFIGELNSMGIWYRMGRVPRNHDSSQPTTSPSS AASTPAPNLPR 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_001011703
RefSeq Size:	2705
RefSeq ORF:	663
Synonyms:	C9orf28; FAM125B
Locus ID:	89853
UniProt ID:	Q9H7P6



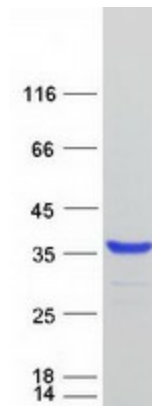
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Cytogenetics: 9q33.3

Summary: The protein encoded by this gene is a component of the ESCRT-I complex, a heterotetramer, which mediates the sorting of ubiquitinated cargo protein from the plasma membrane to the endosomal vesicle. ESCRT-I complex plays an essential role in HIV budding and endosomal protein sorting. Depletion and overexpression of this and related protein (MVB12A) inhibit HIV-1 infectivity and induce unusual viral assembly defects, indicating a role for MVB12 subunits in regulating ESCRT-mediated virus budding. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]

Protein Pathways: Endocytosis

Product images:



Coomassie blue staining of purified MVB12B protein (Cat# [TP305093]). The protein was produced from HEK293T cells transfected with MVB12B cDNA clone (Cat# [RC205093]) using MegaTran 2.0 (Cat# [TT210002]).