

Product datasheet for PH317248

MAL (NM_022438) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MAL MS Standard C13 and N15-labeled recombinant protein (NP_071883)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217248
Predicted MW:	11.9 kDa
Protein Sequence:	>RC217248 representing NM_022438 Red=Cloning site Green=Tags(s) MAPAAATGGSTLPSGFSVFTTLPDLLFIFEFIFGGLVWILVASSLVPWPLVQGWVMFVSVFCFVATTTLI ILYIIGAHHGETSWVTLVFSYIATLLYVHAVFSLIRWKSS 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_071883
RefSeq Size:	930
RefSeq ORF:	333
Synonyms:	MVP17; VIP17
Locus ID:	4118
UniProt ID:	P21145
Cytogenetics:	2q11.1



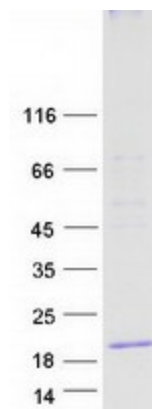
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Summary:

The protein encoded by this gene is a highly hydrophobic integral membrane protein belonging to the MAL family of proteolipids. The protein has been localized to the endoplasmic reticulum of T-cells and is a candidate linker protein in T-cell signal transduction. In addition, this proteolipid is localized in compact myelin of cells in the nervous system and has been implicated in myelin biogenesis and/or function. The protein plays a role in the formation, stabilization and maintenance of glycosphingolipid-enriched membrane microdomains. Down-regulation of this gene has been associated with a variety of human epithelial malignancies. Alternative splicing produces four transcript variants which vary from each other by the presence or absence of alternatively spliced exons 2 and 3. [provided by RefSeq, May 2012]

Protein Families:

Transmembrane

Product images:

Coomassie blue staining of purified MAL protein (Cat# [TP317248]). The protein was produced from HEK293T cells transfected with MAL cDNA clone (Cat# [RC217248]) using MegaTran 2.0 (Cat# [TT210002]).