

Recombinant Full Length Human MAL Protein, C-Flag-tagged

Cat. No. MAL-1627HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MAL Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	16.5 kDa
AA Sequence	MAPAAATGGSTLPSGFSVFTTLPDLLFIFEIFGGGLWILVASSLVPWPLVQGWVMFV SVFCFVATTTLI ILYIIGAHHGETSWVTLDAAHYHCTAALFYLSASVLEALATITMQDGF TYRHYPHENIAAVVFSYIATLLYV

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	VHAVFSLIRWKSSTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transmembrane
Full Length	Full L.

GENE INFORMATION

Gene Name	MAL mal, T cell differentiation protein [Homo sapiens (human)]
Official Symbol	MAL
Synonyms	MVP17; VIP17
Gene ID	4118
mRNA Refseq	NM_002371.4
Protein Refseq	NP_002362.1

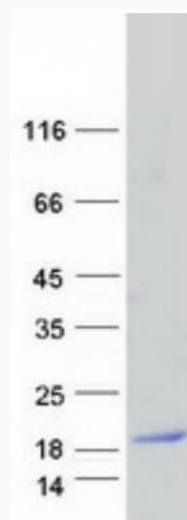
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MIM 188860

UniProt ID P21145



Coomassie blue staining of purified MAL protein.

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