

## Product datasheet for TP301256

### MAL (NM\_002371) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human mal, T-cell differentiation protein (MAL), transcript variant a, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201256 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAPAAATGGSTLPSGFSVFTTLPDLLFIFEFIGGLVWILVASSLPWPLVQGWVMFVSVFCFVATTTLI  
 ILYIIGAHHGETSWVTLDAAHYHCTAALFYLSASVLEALATITMQDGFTYRHYHENIAAVVFSYIATLLYV  
 VHAVFSLIRWKSS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	16.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_002362</u>
Locus ID:	4118
UniProt ID:	<u>P21145</u>


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RefSeq Size: 1153

Cytogenetics: 2q11.1

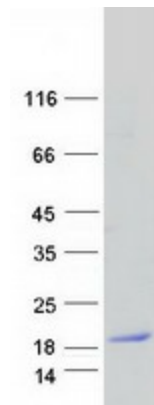
RefSeq ORF: 459

Synonyms: MVP17; VIP17

**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# TP301256). The protein was produced from HEK293T cells transfected with MAL cDNA clone (Cat# [RC201256]) using MegaTran 2.0 (Cat# [TT210002]).