

Recombinant Human MAL Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MAL-2790H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MAL MS Standard C13 and N15-labeled recombinant protein (NP_071883) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	11.9 kDa
AA Sequence	MAPAAATGGSTLPSGFSVFTTLPDLLFIFEFIGGLVWILVASSLPWPLVQGWVMFV SVFCFVATTTLLIILYIIGAHHGETSWVTLVFSYIATLLYVHAVFSLIRWKSSTRTRPLE QKLISEEDLAANDILDYKDDDDKV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

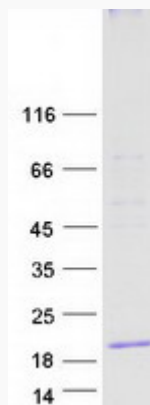
GENE INFORMATION

Gene Name	MAL mal, T cell differentiation protein [Homo sapiens (human)]
Official Symbol	MAL
Synonyms	MAL; mal, T-cell differentiation protein; myelin and lymphocyte protein; T-cell differentiation protein MAL; T-lymphocyte maturation-associated protein;
Gene ID	4118
mRNA Refseq	NM_022438
Protein Refseq	NP_071883
MIM	188860
UniProt ID	P21145

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SDS-PAGE

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