

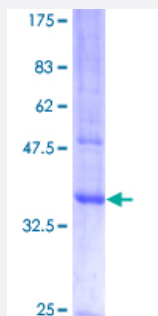
Full-Length

MAL (Human) Recombinant Protein (P01)

Catalog # H00004118-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MAL full-length ORF (AAH00458, 1 a.a. - 153 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAPAAATGGSTLPSGFSVFTTLPDLLFIFEFFGGVLVWLVASSLVPWPLVQGWVMFVSVCVAT
TTLILYIGAHHGETSWVTLDAAHYCTAALFYLSASVLEALATITMQDGFTYRHYHENIAAVVFSYATL
LYVVHAVFSLIRWKSS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

42.57

Interspecies Antigen Sequence

Mouse (87); Rat (89)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MAL

Entrez GeneID [4118](#)

GeneBank Accession# [BC000458](#)

Protein Accession# [AAH00458](#)

Gene Name MAL

Gene Alias -

Gene Description mal, T-cell differentiation protein

Omim ID [188860](#)

Gene Ontology [Hyperlink](#)

Gene 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. 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]

Other Designations

T-cell differentiation protein MAL|T-lymphocyte maturation-associated protein|myelin and lymphocyte protein

Disease

- [Arthritis](#)
- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)