

Recombinant Mouse LYAM1 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51298

Size: 10ug, 100ug

Protein Name: L-selectin (CD62 antigen-like family member L) (Leukocyte adhesion molecule 1) (LAM-1) (Leukocyte-endothelial cell adhesion molecule 1) (LECAM1) (Lymph node homing receptor) (Lymphocyte antigen 22) (Ly-22) (Lymphocyte surface MEL-14 antigen) (CD antigen CD62L)

Synonym: Sell, Lnhp, Ly-22, Ly22

UniProt ID: P18337

UniProt Link: www.uniprot.org/uniprotkb/P18337/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 372 AA

Molecular Weight: 42 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MVFPWRCEGTYWGSRNKLWVWTLCCDFLIHHGTHCWTYHYSEKPMNWENARKFCKQNYTDL
VAIQNKREIEYLENTLPKSPYYWIGIRKIGKMWTWVGNTKLTKEAENWGAGEPNNKSKEDCVEI
YIKRERDSGKWND DACHKRKAALCYTASCQPGSCNGRGEVETINNHTCICDAGYYGPQCQYVVQ
CEPLEAPELGTMDCIHPLGNFSFQSKCAFNCSEGRELLGTAETQCGASGNWSSPEPICQVVQCEPL
EAPELGTMDCIHPLGNFSFQSKCAFNCSEGRELLGTAETQCGASGNWSSPEPICQETNRSFSKIKE
GDYNPLFIPVAVMVTAFSGLAFLIWLARRLKKGKKSQERMDDPY

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant L-selectin (CD62 antigen-like family member L) (Leukocyte adhesion molecule 1) (LAM-1) (Leukocyte-endothelial cell adhesion molecule 1) (LECAM1) (Lymph node homing receptor) (Lymphocyte antigen 22) (Ly-22) (Lymphocyte surface MEL-14 antigen) (CD antigen CD62L) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Calcium-dependent lectin that mediates cell adhesion by binding to glycoproteins on neighboring cells. Mediates the adherence of lymphocytes to endothelial cells of high endothelial venules in peripheral lymph nodes (PubMed:1693096). Promotes initial tethering and rolling of leukocytes in endothelia (By similarity).

Subcellular Localization: Cell membrane ; Single-pass type I membrane protein .

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer- composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.