

Recombinant Rat LYAM1 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52338

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

UniProt ID: P30836

UniProt Link: www.uniprot.org/uniprotkb/P30836/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 372 AA

Molecular Weight: 42 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MVFPWRCQSAQRGSWSFLKLWIRTLCCDLLPHHGTHCWTYHYSERSMNMWENARKFCKHNYTDL
VAIQNKREIEYLEKTLPKNPTYWIGIRKIGKTWTWVGTKTLTKEAENWGTGEPNNKSKEDCVEIYI
KRERDSGKWND DACHKRKAALCYTASCQPESCNRHGECVETINNNTCICDPGYYGPQCQYVIQCE
PLKAPELGTMNCIHPLGDFSFSQCAFNCSEGSSELLGNAKTECGASGNWTYLEPICQVIQCMPLAAP
DLGTMECSHPLANFSFTSACTFTCSEETDLIGERKTVCRSSGSWSSPSPICQKTKRSFSKIKEGDYN
PLFIPVAVMVTAFSGLAFIWLARRLKKGKKSQERMDDPY

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. Promotes initial tethering and rolling of leukocytes in endothelia.

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.