

Recombinant Human LYAM1 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50647

Size: 10ug, 100ug

Protein Name: L-selectin (CD62 antigen-like family member L) (Leukocyte adhesion molecule 1) (LAM-1) (Leukocyte surface antigen Leu-8) (Leukocyte-endothelial cell adhesion molecule 1) (LECAM1) (Lymph node homing receptor) (TQ1) (gp90-MEL) (CD antigen CD62L)

Synonym: SELL, LNHR, LYAM1

UniProt ID: P14151

UniProt Link: www.uniprot.org/uniprotkb/P14151/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 372 AA

Molecular Weight: 42 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MIFPWKCQSTQRDLWNIFKLWGWTMLCCDFLAHHGTDWCWYHYSEKPMNWQRARRFCRDNYTDL
VAIQNKAEIEYLEKTLPFSSRYWIGIRKIGGIWTVVGTNKSLEEAENWGDGEPNNKKNKEDCVEIYI
KRNKDAGKWND DACHKLKAALCYTASCQPWSCSGHGECVEIINNYTCNCDVGYYGPQCQFVIQCE
PLEAPELGTM DCTHPLGNFSFSSQCAFSCSEGTLTGIEETTCGPFGNWSSPEPTCQVIQCEPLSAP
DLGIMNC SHPLASFSFTSACTFICSEGT ELIGKKKTICESSGIWSNPSPICQKLDKSF SMIKEGDYNPL
FIPVAVMVTAFSGLAFIWLARRLKKGKSKRSMNDPY

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 surface antigen Leu-8) (Leukocyte-endothelial cell adhesion molecule 1) (LECAM1) (Lymph node homing receptor) (TQ1) (gp90-MEL) (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 (PubMed:12403782, PubMed:28011641, PubMed:28489325). 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 (PubMed:12403782, PubMed:28011641).

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.