

Recombinant Mouse LYAM2 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51538

Size: 10ug, 100ug

Protein Name: E-selectin (CD62 antigen-like family member E) (Endothelial leukocyte adhesion molecule 1) (ELAM-1) (Leukocyte-endothelial cell adhesion molecule 2) (LECAM2) (CD antigen CD62E)

Synonym: Sele, Elam-1

UniProt ID: Q00690

UniProt Link: www.uniprot.org/uniprotkb/Q00690/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 612 AA

Molecular Weight: 67 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MNASRFLSALVFVLLAGESTAWYYNASSLMTYDEASAYCQRDYTHLVAIQNKEEINYLNLSNLKHSP
SYYWIGIRKVNNVWVVGTKPLTEEAQNWAPGEPNNKQRNEDCVEIYIQRTKDSGMWNDERCNK
KKLALCYTASCTNASCSGHGECIETINSYTCKCHPGFLGPNCEQAVTCKPQEHPDYGSLNCSHPFG
PFSYNSSCSFGCKRGYLPSSMETTVRCTSSGEWSAPAPACHVVECEALTHPAHGIRKCSSNPGSY
PWNTTCTFDCVEGYRRVGAQNLQCTSSGIWDNETPSCKAVTCDIAPQPQNGFVSCSHSTAGELAF
KSSCNFTCEQSFTLQGPAQVECSAQGWTPQIPVCKAVQCEALSAPQQGNMKCLPSASGPFQNG
SSCEFSCEEGLKGSRRLLQCGPRGEWDSKKPTCSAVKCDDVPRPQNGVMECAHATTGEFTYKS
SCAFQCNEGFSLHGSAQLECTSQGKWTQEVPSQVVCPSLDVPGKMNMSCSGTAVFGTVCEFT
CPDDWTLNGSAVLTCGATGRWSGMPPTCEAPVSPTRPLVVALSAAGTSLTSSSLLYLLMRYFRKK
AKKFVPASSCQSLQSFENYHVPSYNV

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 E-selectin (CD62 antigen-like family member E) (Endothelial leukocyte adhesion molecule 1) (ELAM-1) (Leukocyte-endothelial cell adhesion molecule 2) (LECAM2) (CD antigen CD62E) 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: Cell-surface glycoprotein having a role in immunoadhesion. Mediates in the adhesion of blood neutrophils in cytokine-activated endothelium through interaction with SELPLG/PSGL1 (PubMed:1375914). May have a role in capillary morphogenesis.

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.