

Recombinant Human LYAM3 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50649

Size: 10ug, 100ug

Protein Name: P-selectin (CD62 antigen-like family member P) (Granule membrane protein 140) (GMP-140) (Leukocyte-endothelial cell adhesion molecule 3) (LECAM3) (Platelet activation dependent granule-external membrane protein) (PADGEM) (CD antigen CD62P)

Synonym: SELP, GMRP, GRMP

UniProt ID: P16109

UniProt Link: www.uniprot.org/uniprotkb/P16109/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 830 AA

Molecular Weight: 91 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MANCQIAILYQRFQRVVFGISQLLCFSALISELTNQKEVAAWTYHYSTKAYSWNISRKYCQNRYTDLV
AIQNKNEIDYLNKVLPPYYSSYYWIGIRKNNKTWTWVGTKKALTNEAENWADNEPNNKRNNEDCVEIY
IKSPSAPGKWNDHCLKKKHALCYTASCQDMSCSKQGECLTIGNYTCSCYPGFYGPCEYVREC
GELELPQHVLNMNC SHPLGNFSFNSQCSFHCTDGYQVNGPSKLECLASGIWTNKPPQCLAAQCPPL
KIPERGNMTCLHSAKAFQHQS SCSFSCEE GFALVGPEVVQCTASGVWTAPAPVCKAVQCQHLEAP
SEGTMDCVHPLTAFAYGSSCKFECQPGYRVRGLDMLRCIDSGHWSAPLPTCEAISCEPLESPVHGS
MDCSPSLRAFQYDTNCSFRCAEGFMLRGADIVRCDNLGQWTAPAPVCQALQCQDLVPVNEARVNC
SHPFGAFRYQSVCSFTCNEGLLLVGASVLQCLATGNWNSVPPECQAIPCTPLLSPQNGTMTCVQPL
GSSSYKSTCQFICDEGYSLSGPERLDCTRSGRWTDSPPMCEAIKCPELFAPEQGS LDCSDTRGEFN
VGSTCHFSCDNGFKLEGPNNVECTTSGRWSATPPTCKGIASLPTPGVQCPALTPGQGTMYCRHH
PGTFGFNTTCYFGCNA GFTLIGDSTLSCRPSGQWTA VTPACRAVKCSELHVNKPIAMNCSNLWGNF
SYGSICSFHCLLEGQLLNGSAQTACQENGHWSTTVPTCQAGPLTIQEALTYFGGAVASTIGLIMGGTL
LALLRKRFRQKDDGKCPLNPHSHLGT YGVFTNAAFDPSP

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 P-selectin (CD62 antigen-like family member P) (Granule membrane protein 140) (GMP-140) (Leukocyte-endothelial cell adhesion molecule 3) (LECAM3) (Platelet activation dependent granule-external membrane protein) (PADGEM) (CD antigen CD62P) 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: Ca²⁺-dependent receptor for myeloid cells that binds to carbohydrates on neutrophils and monocytes. Mediates the interaction of activated endothelial cells or platelets with leukocytes. The ligand recognized is sialyl-Lewis X. Mediates rapid rolling of leukocyte rolling over vascular surfaces during the initial steps in inflammation through interaction with SELPLG. Mediates cell-cell interactions and cell adhesion via the interaction with integrin alpha-IIb/beta3 (ITGA2B:ITGB3) and integrin alpha-V/beta-3 (ITGAV:ITGB3) (PubMed:37184585).

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.