

Recombinant Mouse CLM4 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51706

Size: 10ug, 100ug

Protein Name: CMRF-35-like molecule 4 (CLM-4) (CD300C molecule 2) (Dendritic cell-derived Ig-like receptor 1) (Dlgr1) (Immunoglobulin superfamily member 7) (IgSF7) (Leukocyte mono-Ig-like receptor 2) (Myeloid-associated immunoglobulin-like receptor 2) (MAIR-2) (MAIR-II)

Synonym: Cd300c2, Cd300c, Clm4, Igsf7, Lmir2

UniProt ID: Q7TSN2

UniProt Link: www.uniprot.org/uniprotkb/Q7TSN2/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 228 AA

Molecular Weight: 25 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MIPRVIRLWLPSALFLSQVPGCVPLHGPSTITGAVGESLSVSCQYEEKFKTKDKFWCRGSLKVLCKDI
VKTSSSEEVNRGRVTIRDHPDNLFTVTYESLTLEDADTYMCAVDISLFDGSLGFDKYFKIELSVVPS
EDPVTGSSLESGRDILESPTSSVGHTHPSVTTDDTIPAPCPQPRSLRSSLYFWVLVSLKLFLFLSMLG
AVLWVNRPQRCSGGSSSRPCYENQ

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 CMRF-35-like molecule 4 (CLM-4) (CD300C molecule 2) (Dendritic cell-derived Ig-like receptor 1) (Dlgr1) (Immunoglobulin superfamily member 7) (IgSF7) (Leukocyte mono-Ig-like receptor 2) (Myeloid-associated immunoglobulin-like receptor 2) (MAIR-2) (MAIR-II) 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: Acts as an activating receptor in mast cells and macrophages.

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.