

Recombinant Mouse CCR7 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51429

Size: 10ug, 100ug

Protein Name: C-C chemokine receptor type 7 (C-C CKR-7) (CC-CKR-7) (CCR-7) (Epstein-Barr virus-induced G protein-coupled receptor 1) (EBI1) (EBV-induced G protein-coupled receptor 1) (MIP-3 beta receptor) (CD antigen CD197)

Synonym: Ccr7, Cmkbr7, Ebi1, Ebi1h

UniProt ID: P47774

UniProt Link: www.uniprot.org/uniprotkb/P47774/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 378 AA

Molecular Weight: 43 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MDPGKPRKNVLVALLVIFQVCFCQDEVTDDYIGENTTVDYTLYESVCFKKDVRNFKAWFLPLMYSV
ICFVGLLGNGLVILTYIYFKRLKTMTDYLNLAVADILFLLILPFWAYSEAKSWIFGVYLCKGIFGIYKLS
FFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSVGIWMLALFLSIPELLYSGLQKNSGEDTLR
CSLVSQAQVEALITIQVAMVFGFLVPMMLAMSFICYLIIRTLQARNFERNKAIKVIIAVVVVFIVFQLPYN
GVVLAQTVANFNITNSSCETSKQLNIAYDVTYSLASVRCCVNPFLYAFIGVKFRSDLFKLFKDLGCLS
QERLRHWSSCRHVRNASVSMEAETTTTFSP

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 C-C chemokine receptor type 7 (C-C CKR-7) (CC-CKR-7) (CCR-7) (Epstein-Barr virus-induced G protein-coupled receptor 1) (EBI1) (EBV-induced G protein-coupled receptor 1) (MIP-3 beta receptor) (CD antigen CD197) 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: Receptor for the MIP-3-beta chemokine.

Subcellular Localization: Cell membrane; Multi-pass 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.