

Recombinant Rat CXCR5 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52639

Size: 10ug, 100ug

Protein Name: C-X-C chemokine receptor type 5 (CXC-R5) (CXCR-5) (Burkitt lymphoma receptor 1 homolog) (Neurolymphatic receptor) (NLR) (CD antigen CD185)

Synonym: Cxcr5, Blr1

UniProt ID: P34997

UniProt Link: www.uniprot.org/uniprotkb/P34997/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 374 AA

Molecular Weight: 42 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MNSPISLDMGAITYNMDDLYKELAIYSNSTEIP LQDSIFCSTEEGPLLTSFKTIFMPVAYSLIFLLGMMG
NILVLVILERHRHTRSSTETFLFHLAVADLLL VFILPFAVAEGSVGWVLGTFLCKTVIALHKINFYCSSL
LACIAVDRYLAIVHAVHAYRRRRLLSIHITCSTIWL AGFLFALPELLFAKVQPHNNESLPQCIFSQENE
AETRAWFASRFLYHTGGFLLPMLVMAWCYVG VVHRLQLAQRRPQRQKAVRVAILVTSIFLLCWSPY
HIVIFLDTLERLKAVNSSCELSGYLSVAITLCE FLGLAHCCLNPMPLYTFAGVKFRSDLSRLLTKLGCAG
PASLCQLFPGWRKSSLSESENATSLTTF

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-X-C chemokine receptor type 5 (CXC-R5) (CXCR-5) (Burkitt lymphoma receptor 1 homolog) (Neurolymphatic receptor) (NLR) (CD antigen CD185) 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: Cytokine receptor that binds to B-lymphocyte chemoattractant (BLC). Involved in B-cell migration into B-cell follicles of spleen and Peyer patches but not into those of mesenteric or peripheral lymph nodes (By similarity).

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.