

Recombinant Mouse XCR1 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52112

Size: 10ug, 100ug

Protein Name: Chemokine XC receptor 1 (Lymphotactin receptor) (SCM1 receptor) (XC chemokine receptor 1) (mXCR1)

Synonym: Xcr1, Cxcr1

UniProt ID: Q9R0M1

UniProt Link: www.uniprot.org/uniprotkb/Q9R0M1/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 322 AA

Molecular Weight: 37 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MESSTAFYDYHDKLSLLCENNVIFFSTISTIVLYSLVFLLSLVGNSLVLVWLVKYENLESLTNIFILNLCL
SDLMFSCLLPVLISAQWSWFLGDFFCKFFNMIFGISLYSSIFFLTIMTIHRYLSVVSPISTLGIHTLRRCRV
LVTSCVWAASILFSIPDAVFHKVISLNCKYSEHHGFLASVYQHNIFFLLSMGIILFCYVQILRTLFRTRSR
QRHRTVRLIFTVVVAYFLSWAPYNLTFLKTGIIQQSCESLQQLDIAMIICRHLAFSHCCFNPVLYVFVG
IKFRRHLKHLFQQVWLCRKTSSTVPCSPGTFTYEGPSFY

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 Chemokine XC receptor 1 (Lymphotactin receptor) (SCM1 receptor) (XC chemokine receptor 1) (mXCR1) 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 chemokines SCYC1 and SCYC2. Subsequently transduces a signal by increasing the intracellular calcium ions level. Receptor for XCL1/Lymphotactin (Probable).

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.