

Recombinant Mouse CXCL5 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51455

Size: 10ug, 100ug

Protein Name: C-X-C motif chemokine 5 (Cytokine LIX) (Small-inducible cytokine B5)
[Cleaved into: GCP-2(1-78); GCP-2(9-78)]

Synonym: Cxcl5, Scyb5

UniProt ID: P50228

UniProt Link: www.uniprot.org/uniprotkb/P50228/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 132 AA

Molecular Weight: 14 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MSLQLRSSARIPSGSISPFMRMAPLAFLLLFTLPQHLAEAAPSSVIAATELRCVCLTVTPKINPKLIANL
EVIPAGPQCPTVEVIAKLKNQKEVCLDPEAPVIKKIIQKILGSDKKKAKRNALAVERTASVQ

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 motif chemokine 5 (Cytokine LIX) (Small-inducible cytokine B5) [Cleaved into: GCP-2(1-78); GCP-2(9-78)] 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: May participate in the recruitment of inflammatory cells by injured or infected tissue. GCP-2(1-78) and, more potent, GCP-2(9-78) attract neutrophils and are involved in neutrophil activation.

Subcellular Localization: Secreted.

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.