

Recombinant Human CCL11 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50119

Size: 10ug, 100ug

Protein Name: Eotaxin (C-C motif chemokine 11) (Eosinophil chemotactic protein) (Small-inducible cytokine A11)

Synonym: CCL11, SCYA11

UniProt ID: P51671

UniProt Link: www.uniprot.org/uniprotkb/P51671/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 97 AA

Molecular Weight: 11 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MKVSAALLWLLLIAAAFSPQGLAGPASVPTTCCFNLANRKIPLQRLESYRRITSGKCPQKAVIFKTKLA
KDICADPKKKWVQDSMKYLDQKSPTPKP

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 Eotaxin (C-C motif chemokine 11) (Eosinophil chemotactic protein) (Small-inducible cytokine A11) 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: Chemokine that plays a central role in both allergic and non-allergic inflammatory reactions by inducing the migration of different leukocyte types including eosinophils, basophils, macrophages and dendritic cells (PubMed:8597956, PubMed:33846499). Exerts its effects primarily by binding to the CCR3 receptor (PubMed:8631813). Induces also chemotaxis of endothelial cells and promotes angiogenesis by activating the PI3K/Akt pathway (PubMed:28279120).

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.