

Recombinant Human CCL25 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50133

Size: 10ug, 100ug

Protein Name: C-C motif chemokine 25 (Chemokine TECK) (Small-inducible cytokine A25) (Thymus-expressed chemokine)

Synonym: CCL25, SCYA25, TECK

UniProt ID: O15444

UniProt Link: www.uniprot.org/uniprotkb/O15444/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 150 AA

Molecular Weight: 17 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MNLWLLACLVLGAWAPAVHTQG VFEDCCLAYHYPIGWAVLRRRAWTYRIQEVSGSCNLPAAIFY
LPKRHRKVCGNPKSREVQRAMKLLDARNKVF AKLHHNTQTFQAGPHAVKKLSSGNSKLSSSKFSNP
ISSSKRNVSL LISANSGL

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 motif chemokine 25 (Chemokine TECK) (Small-inducible cytokine A25) (Thymus-expressed chemokine) 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: Potentially involved in T-cell development. Recombinant protein shows chemotactic activity on thymocytes, macrophages, THP-1 cells, and dendritic cells but is inactive on peripheral blood lymphocytes and neutrophils. Binds to CCR9. Isoform 2 is an antagonist of isoform 1. Binds to atypical chemokine receptor ACKR4 and mediates the recruitment of beta-arrestin (ARRB1/2) to ACKR4.

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.