

# Recombinant Mouse CCL25 Protein

**For Research Use Only**

## 1. Basic Product Information

Catalog No.: REP51165

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: O35903

UniProt Link: [www.uniprot.org/uniprotkb/O35903/entry](http://www.uniprot.org/uniprotkb/O35903/entry)

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 144 AA

Molecular Weight: 17 KD

Protein Tag: C-terminal His6

## 2. Amino Acid Sequence

MKLWLFACLVACFVGAWMPVVHAQGAFEDCCLGYQHRIKWNVLRHARNYHQQEVSGSCNLRRAVR  
FYFRQKVVCNPNEDMNVKRAMRILTARKRLVHWKSASDSQTERKKSNHMKSKVENPNSTSVRSAT  
LGHPRMVMMMPRKTNN

## 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. 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.