Recombinant Human CCL25/TECK Protein

RPCB0017

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPCB0017

Contents: 10 µg, 20 µg, 50 µg Bradford Reagent (1 vial, 2ml)

Reactivity: Human

Gene ID: 6370

Expression Host: -

Tags: C-His

Calculated MW: 15.01 kDa

Observed MW: 20-25 kDa

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human CCL25/TECK Protein (RPCB0017), tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol.

Storage: Store at -20℃. Store the lyophilized protein at -20℃ to -80℃ up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.

Background: CCL25, also known as TECK, is a CC chemokine that regulates the trafficking of lymphocytes in the thymus and small intestine. Mature human CCL25 shares 40% amino acid sequence identity with mouse and rat CCL25. CCL25 is produced by stromal cells in the thymus and epithelial cells of the small intestine, particularly the jejunum and ileum. It binds to and induces chemoattraction through CCR9, and both human and mouse proteins act on human CCR9. CCR9 is expressed on immature pre-T cells and thymocytes. In cancer, functional CCR9 mediates the metastasis of melanoma cells to the small intestine, contributes to the CCL25-dependent migration and invasion of some breast carcinomas,

and attracts mesenchymal stromal cells to CCL25-expressing multiple myelomas. CCL25 contributes to the severity of chronic inflammation in rheumatoid arthritis where it attracts CCR9+ monocytes and macrophages, in endometriosis where it promotes the invasiveness of stromal cells, and in atherosclerosis where it contributes to the accumulation of CCR9+ macrophages in arterial plaques.

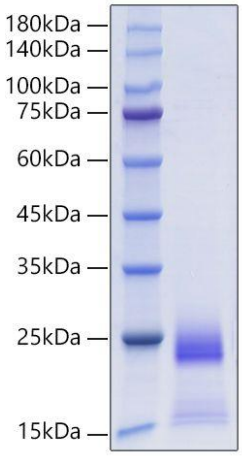
Synonyms: CCL25, SCYA25, TECK, C-C motif chemokine 25, Chemokine TECK, Small-inducible cytokine A25, Thymus-expressed chemokine

Purification: ≥ 90 % as determined by SDS-PAGE.

Endotoxin: < 0.1 EU/μg of the protein by LAL method.

Validation Data

Image



Description

Recombinant Human CCL25/TECK Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.