

# Active Recombinant Human CCL25 protein, Fc-tagged, non-lytic

**Cat. No.** CCL25-202H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human CCL25(Gln24-Leu150) fused with the N-terminus of the Fc region of human IgG1 was expressed in CHO.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	Gln24-Leu150
<b>Description</b>	This antimicrobial gene belongs to the subfamily of small cytokine CC genes. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity for dendritic cells, thymocytes, and activated macrophages but is inactive on peripheral blood lymphocytes and neutrophils. The product of this gene binds to chemokine receptor CCR9. Alternative splicing results in multiple transcript variants.
<b>Form</b>	Lyophilized from 0.2µm-filtered solution in PBS.
<b>Bio-activity</b>	Measured by its ability to chemoattract BaF3 mouse pro-B cells.
<b>Molecular Mass</b>	40KDa (monomer)
<b>Endotoxin</b>	<0.1 EU/µg as determined by LAL test.

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<b>Purity</b>	>98%, by SDS-PAGE under reducing conditions.
<b>Notes</b>	Non-lytic: Acts as a long lasting fusion protein which only binds to the receptor. Mutations to the complement (C1q) and FcγR I binding sites of the IgGs Fc fragment render the fusion proteins incapable of antibody directed cytotoxicity (ADCC) and complement directed cytotoxicity (CDC).
<b>Storage</b>	Stable for at least 1 year after receipt when stored at -20 centigrade. Working aliquots are stable for up to 3 months when stored at -20 centigrade. Avoid freeze/thaw cycles.
<b>Reconstitution</b>	Reconstitute at 100µg/ml in sterile PBS.

## GENE INFORMATION

<b>Gene Name</b>	CCL25 chemokine (C-C motif) ligand 25 [ Homo sapiens ]
<b>Official Symbol</b>	CCL25
<b>Synonyms</b>	CCL25; chemokine (C-C motif) ligand 25; SCYA25, small inducible cytokine subfamily A (Cys Cys), member 25; C-C motif chemokine 25; Ck beta 15; Ckb15; TECK; TECKvar; thymus expressed chemokine; Ck beta-15; chemokine TECK; thymus-expressed chemokine; small-inducible cytokine A25; small inducible cytokine subfamily A (Cys-Cys), member 25; SCYA25; MGC150327;
<b>Gene ID</b>	6370
<b>mRNA Refseq</b>	NM_001201359
<b>Protein Refseq</b>	NP_001188288

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<b>MIM</b>	602565
<b>UniProt ID</b>	O15444
<b>Chromosome Location</b>	19p13.2
<b>Pathway</b>	Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; G alpha (i) signalling events, organism-specific biosystem;
<b>Function</b>	CCR10 chemokine receptor binding; chemokine activity; hormone activity;

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