

Active Recombinant Human CCL23 Protein (92 aa)

Cat. No. CCL23-296C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Ck beta 8-1/CCL23 produced in CHO cells is a single polypeptide chain containing 92 amino acids. A fully biologically active molecule, rhCk beta 8-1/CCL23 has a molecular mass of 10.5 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.
Species	Human
Source	CHO
ProteinLength	92
Description	Chemokine (C-C motif) ligand 23 (CCL23) is a small cytokine belonging to the CC chemokine family that is also known as Macrophage inflammatory protein 3 (MIP-3) and Myeloid progenitor inhibitory factor 1 (MPIF-1). CCL23 is predominantly expressed in lung and liver tissue, but is also found in bone marrow and placenta. CCL23 is highly chemotactic for resting T cells and monocytes and slightly chemotactic for neutrophils. It has also been attributed to an inhibitory activity on hematopoietic progenitor cells. CCL23 is a ligand for the chemokine receptor CCR1.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	The EC ₅₀ value of human Ck beta 8-1/CCL23 on Ca ²⁺ mobilization assay in CHO-K1/Ga15/hCCR1 cells (human Ga15 and human CCR1 stably expressed in CHO-K1 cells) is less than 0.4 µg/mL.

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Molecular Mass	10.5 kDa, observed by reducing SDS-PAGE.
AA Sequence	MLWRRKIGPQMTLSHAAGFHATSADCCISYTPRSIPCSLLESYFETNSECSKPGVIFL TKKGRRFCANPSDKQVQVCVRMLKLDTRIKTRKN
Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	> 98% as analyzed by SDS-PAGE.
Storage	Lyophilized recombinant human Ck beta 8-1/CCL23 remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, human Ck beta 8-1/CCL23 should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μg/mL.

GENE INFORMATION

Gene Name	CCL23 chemokine (C-C motif) ligand 23 [Homo sapiens]
Official Symbol	CCL23
Synonyms	CCL23; chemokine (C-C motif) ligand 23; SCYA23, small inducible cytokine subfamily A (Cys Cys), member 23; C-C motif chemokine 23; Ckb 8; CKb8; MIP 3; MPIF 1; hmrp-2a; C6 beta-chemokine; small-inducible cytokine A23; macrophage inflammatory protein 3; myeloid progenitor inhibitory factor 1; small inducible cytokine subfamily A (Cys-Cys), member 23; MIP3; Ckb-8; MIP-3; MPIF-1; SCYA23; Ckb-8-1; CK-BETA-8;
Gene ID	6368

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mRNA Refseq [NM_005064](#)

Protein Refseq [NP_005055](#)

MIM [602494](#)

UniProt ID [P55773](#)

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