

**HUMAN CCL23 PROTEIN****Cat.#:** 12102**Product Name:** Human CCL23 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** C-C Motif Chemokine 23;CK-Beta-8;CKB-8;Macrophage Inflammatory Protein 3;MIP-3;Myeloid Progenitor Inhibitory Factor 1;MPIF-1;Small-Inducible Cytokine A23;CCL23;MIP3;MPIF1;SCYA23**Target:** CCL23**UNIPROT ID:** P55773**Description:** Recombinant Human C-C Motif Chemokine 23 is produced by our E.coli expression system and the target gene encoding Arg46-Asn120 is expressed.**Background:** Human Chemokine (C-C Motif) Ligand 23 (CCL23) is a small cytokine belonging to the CC chemokine family. CCL23 is also known as myeloid progenitor inhibitory factor MPIF-1, CK8 and SCYA23. CCL23 cDNA encodes a 120 amino acid residue precursor protein with a putative 21 amino acid residue signal peptide that is cleaved to generate a 99 amino acid residue mature CCL23 (amino acids 22 -120). Additional N-terminal Processing of the 99 amino acid residue variant can generate a 75 amino acid residue peptide (amino acid 46-120) that is significantly more active than the 99 amino acid residue variant. CCL23 binds to CCR1 with high affinity and has chemotactic activity for monocytes, dendritic cells, and osteoclast precursors. CCL23 enhances angiogenesis of endothelial cells, but reduces the proliferation of progenitor cells giving rise to granulocyte and monocyte lineages.**Species/Host:** E.coli**Molecular Weight:** 8.7 KDa**Molecular Characterization:** Not available**Purity:** Greater than 95% as determined by reducing SDS-PAGE.**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

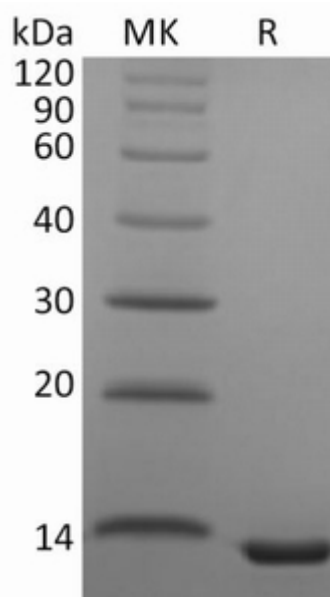


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.