

Recombinant Human CCL23 Protein

Catalog No. PKSH033734

Description

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
Species	Human
Expression_host	E.coli
Sequence	Arg22-Asn120
Accession	P55773
Mol_Mass	11.5 kDa
AP_Mol_Mass	11 kDa

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg as determined by the LAL method.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7°C for 2-7 days.Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 250mM NaCl, pH 7.2.
Reconstitution	Please refer to the printed manual for detailed information.

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.

SDS-PAGE

