Product Datasheet

RecombinantMPIF/CCL23(aa46-120),Human (orb1494678)

Description	Myeloid progenitor inhibitory factor 1 (MPIF-1), also known as Chemokine (C-C motif) ligand 23 (CCL23) is a small cytokine belonging to the CC chemokine family. MPIF-1 is predominantly expressed in lung and liver tissue, but is also found in bone marrow and placenta. It is also expressed in some cell lines of myeloid origin. It is highly chemotactic for resting T cells and monocytes and slightly chemotactic for neutrophils. MPIF-1 has been shown to inhibit colony formation of bone marrow myeloid immature progenitors. It has also been attributed to an inhibitory activity on hematopoietic progenitor cells. MPIF-1 is a ligand for the chemokine receptor CCR1. Recombinant human MPIF-1/CCL23 (aa46-120) produced in CHO cells is a single polypeptide chain containing 75 amino acids. A fully biologically active molecule, rhMPIF-1/CCL23 (aa46-120) has a molecular mass of 11.3 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.
Endotoxins	< 0.2 EU/μg, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against PBS.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Storage	Lyophilized recombinant Human MPIF/CCL23 (aa46-120) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Human MPIF/CCL23 (aa46-120) should be stable up to 1 week at 4°C or up to 3 months at -20°C.
Note	For research use only
Application notes	Reconstituted in ddH2O or PBS at 100 μg/ml.
Protein Sequence	RFHATSADCCISYTPRSIPCSLLESYFETNSECSKPGVIFLTKKGRRFCANPSDKQVQVCVRM LKLDTRIKTRKN
Purity	> 95% as analyzed by SDS-PAGE.
Source	CHO

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MW	11.3 kDa, observed by reducing SDS-PAGE.
Expiration Date	6 months from date of receipt.

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