Recombinant Human CCL23/MPIF-1 Protein(Trx Tag)

Catalog Number: PDEH100606

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

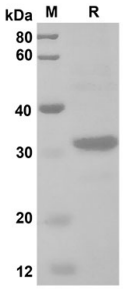
Description

Species	Human
Source	E.coli-derived Human CCL23/MPIF-1 protein Arg22-Asn120, with an N-terminal Trx
Calculated MW	30.8 kDa
Observed MW	31 kDa
Accession	P55773
Bio-activity	Not validated for activity

Properties

Purity	> 90% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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 in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human CCL23/MPIF-1 proteins, 2 μg/lane of Recombinant Human CCL23/MPIF-1 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 31 KD

Background

CCL23/MPIF-1, also known as MIP 3, is a small cytokine which belongs to the CC chemokine family. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. CCL23/MPIF-1 is predominantly expressed in lung and liver tissue, but also can be detected in bone marrow and placenta. It displays chemotactic activity on resting T lymphocytes and monocytes, lower activity on neutrophils and no activity on activated T lymphocytes. CCL23/MPIF-1 is also a strong suppressor of colony formation by a multipotential hematopoietic progenitor cell line.