

Recombinant Human CCL3 Protein

Catalog Number:PKSH032197



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

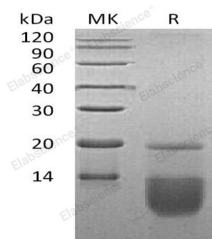
Description

Synonyms	C-C Motif Chemokine 3;G0/G1 Switch Regulatory Protein 19-1;Macrophage Inflammatory Protein 1-Alpha;MIP-1-Alpha;PAT 464.1;SIS-Beta;Small-Inducible Cytokine A3;Tonsillar Lymphocyte LD78 Alpha Protein;CCL3;G0S19-1;MIP1A;SCYA3
Species	Human
Expression Host	E.coli
Sequence	Ala 27-Ala 92
Accession	P10147
Calculated Molecular Weight	8.4 kDa
Observed molecular weight	8-11 kDa
Tag	None
Bioactivity	Measure by its ability to chemoattract human PBMC using a concentration range of 5 -50 ng/mL.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.1 EU per µg 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°C. Reconstituted protein solution can be stored at 4-8°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 sterile PBS,pH 8.5. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Human Chemokine (C-C Motif) Ligand 3 (CCL3) is a small cytokine belonging to the CC chemokine family. CCL3 is primarily expressed in T cells, B cells, and monocytes after antigen or mitogen stimulation. CCL3 exhibits chemoattractive and adhesive effects on lymphocytes. CCL3 exerts multiple effects on hematopoietic precursor cells and

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inhibits the proliferation of hematopoietic stem cells in vitro as well as in vivo. CCR1 and CCR5 have been identified as functional receptors for CCL3.

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