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Recombinant Human CCL3/MIP-1 alpha Protein

Catalog No.: RP01628 Recombinant 1 Publications

Sequence Information

Species	Gene ID	Swiss Prot
Human	6348	P10147

Tags
C-His

Synonyms
CCL3;G0S19-1;LD78ALPHA;MIP-1-alpha;MIP1A;SCYA3

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
8.63 kDa	10-15 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Background

This protein, also known as macrophage inflammatory protein 1 alpha, plays a role in inflammatory responses through binding to the receptors CCR1, CCR4 and CCR5. Polymorphisms at this locus may be associated with both resistance and susceptibility to infection by human immunodeficiency virus type 1.

Basic Information

Description
Recombinant Human CCL3/MIP-1 alpha Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala23-Ala92) of human CCL3/MIP-1 alpha (Accession #NP_002974.1) fused with and a 6×His tag at the C-terminus.

Bio-Activity

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

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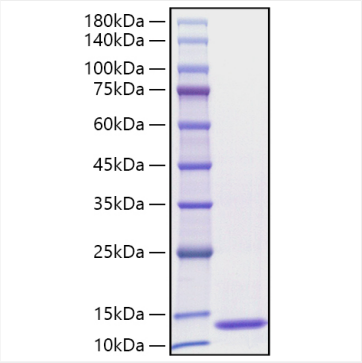
Validation Data



Recombinant Human CCL3/MIP-1 alpha Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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