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# Recombinant human CCL20/MIP-3 alpha protein

Catalog Number: ATGP0917

#### PRODUCT INFORMATION

### **Expression system**

E.coli

#### **Domain**

27-96aa

#### UniProt No.

P78556

#### **NCBI Accession No.**

NP 004582

### **Alternative Names**

C-C motif chemokine ligand 20, Beta-chemokine exodus-1, CC chemokine LARC, Liver and activation-regulated chemokine, Macrophage inflammatory protein 3 alpha, MIP-3-alpha, MIP-3a, Small-inducible cytokine A20, SCYA20, ST38, CKb4

#### **PRODUCT SPECIFICATION**

#### **Molecular Weight**

10.3 kDa (91aa) confirmed by MALDI-TOF

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

#### **Purity**

> 85% by SDS-PAGE

#### **Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

#### Tag

His-Tag

# **Application**

SDS-PAGE

#### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## **BACKGROUND**

### **Description**

CCL20, also known as Macrophage Inflammatory Protein-3 (MIP3A), is a small cytokine belonging to the CC chemokine family. CCL20 protein is strongly chemotactic for lymphocytes and weakly attracts neutrophils. It is



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implicated in the formation and function of mucosal lymphoid tissues via chemoattraction of lymphocytes and dendritic cells towards the epithelial cells surrounding these tissues. Recombinant human CCL20 protein, fused to His-tag at N-terminus, was expressed in E. coli and purifed by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

### **Amino acid Sequence**

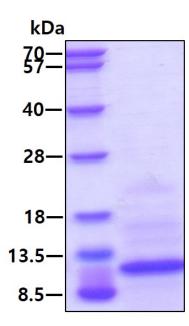
MGSSHHHHHH SSGLVPRGSH MASNFDCCLG YTDRILHPKF IVGFTRQLAN EGCDINAIIF HTKKKLSVCA NPKQTWVKYI VRLLSKKVKN M

#### **General References**

Hieshima K, et al. (1997) J Biol Chem. 272:5846-53. Schutyser E, et al. (2000) J. Immunol. 165:4470-7.

## **DATA**

### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

