

# Recombinant Human CCL20, His-tagged

**Cat. No.** CCL20-166H    **Lot. No.** (See product label)

## SPECIFICATION

|                           |                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Recombinant human CCL20 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.                                                                                                                                                                                           |
| <b>Species</b>            | Human                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>             | E.coli                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>        | 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 implicated in the formation and function of mucosal lymphoid tissues via chemoattraction of lymphocytes and dendritic cells towards the epithelial cells surrounding these tissues. |
| <b>Form</b>               | Liquid. In Phosphate Buffered Saline pH7.4 containing 10% glycerol.                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Weight</b>   | 10.3 kDa (91aa) confirmed by MALDI-TOF.                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>             | > 85% by SDS - PAGE.                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Concentration</b>      | 0.25 mg/ml (determined by Bradford assay).                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Endotoxin Level</b>    | < 1.0 EU per 1 µg of protein (determined by LAL method).                                                                                                                                                                                                                                                                                                                                                   |
| <b>Sequences Of Amino</b> | MGSSHHHHHH SSGLVPRGSH MASNFDCCLG YTDRILHPKF IVGFTRQLAN                                                                                                                                                                                                                                                                                                                                                     |

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|                 |                                                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Acids</b>    | EGCDINAIF HTKKKLSVCA NPKQTWVKYI VRLLSKKVKN M.                                                                                                         |
| <b>Storage</b>  | Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles. |
| <b>Pathways</b> | Chemokine signaling pathway; Cytokine-cytokine receptor interaction                                                                                   |

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | CCL20 chemokine (C-C motif) ligand 20 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>            | CCL20; chemokine (C-C motif) ligand 20; CKb4; LARC; MIP-3-alpha; MIP-3a; MIP-3[a]; MIP3A; SCYA20; ST38; exodus-1; Exodus-1; Beta chemokine exodus-1; CC chemokine LARC; Liver and activation-regulated chemokine; Macrophage inflammatory protein 3 alpha; Small-inducible cytokine A20; Small inducible cytokine subfamily A (Cys-Cys), member 20; Small inducible cytokine A20 precursor; C-C motif chemokine 20; CC chemokine ST38; OTTMUSP00000017965; Small inducible cytokine subfamily A20 |
| <b>Gene ID</b>             | 6364                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>mRNA Refseq</b>         | NM_004591                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>      | NP_004582                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>MIM</b>                 | 601960                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>UniProt ID</b>          | P78556                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Chromosome Location</b> | 2q33-q37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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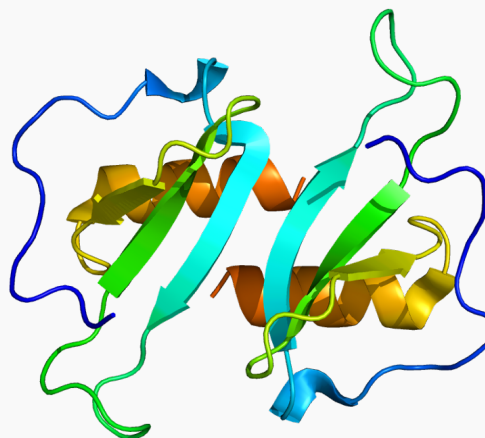
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**Function**

chemokine activity

PDBrendering based  
on 1m8a.



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