CCL15
Recombinant Human Macrophage Inflammatory Protein-5

Catalog No.	CRM411A	**Quantity:**	5 µg
	CRM411B		25 µg
	CRM411C		1.0 mg

Alternate Names: Macrophage inflammatory protein-5, HCC-2, Lkn-1

Description: Recombinant Human MIP-5/CCL15 is a single non-glycosylated polypeptide chain containing 92 amino acids.
Background: CCL15, a new human CC chemokine, was isolated from a human fetal spleen cDNA library. CCL15 cDNA encodes a predicted 113 amino acid (a.a.) protein containing a putative signal peptide of 21 (a.a.) that is cleaved to generate a 92 a.a. residue mature protein. Within the CC family members, human CCL15 shares 45%, 44%, 35%, and 30% a.a. homology with mouse C10, human MPIF-1, human HCC-1, and mouse MIP-1gamma, respectively. The gene for MIP-5 is found on chromosome 17 where the genes for most of the human CC chemokines are located. Human CCL15 is expressed in T and B lymphocytes, NK cells, monocytes and monocyte-derived dendritic cells. Human MIP-5 is chemotactic for T cells and monocytes and has been shown to induce calcium flux in human CCR-1-transfected cells.

Gene ID: 6359

Source: *E. coli*

Molecular Weight: 10.2 kDa

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4 + 100 mM NaCl.

Purity: 97% by SDS-PAGE and HPLC analyses.

Endotoxin Level: Less than 1 EU/µg of rHuMIP-5/CCL15 as determined by LAL method.

Biological Activity: Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human T-lymphocytes is in a concentration range of 1.0 -10 ng/ml.

Amino Acid Sequence: QFINDAETEL MMSKLPLENP VVLNSFHFAA DCCTSYISQS IPCSLMKSYF ETSSECSKPG VIFLTKKGRQ VCAKPSGPGV QDCMKKLKPY SI

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL. Further dilutions should be made in appropriate buffered solutions.

Storage & Stability: This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**

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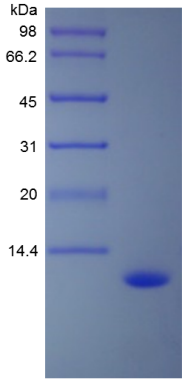
SDS-PAGE



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