

[Go to Product page](#)

Datasheet for ABIN988168 CCL15 Protein

Overview

Quantity:	1 mg
Target:	CCL15
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active

Product Details

Sequence:	QFTNDAETEL MMSKLPLENP VVLNSFHFAA DCCTSYISQS IPCSLMKSYF ETSSECSKPG VIFLTKKGRQ VCAKPSGPGV QDCMKKLKPY S
Characteristics:	Fully biologically active when compared to standard. The ED50 determined by a chemotaxis bioassay using human T-lymphocytes is less than 10 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^5$ IU/mg.
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	Level Less than 1EU/ μ g of rHuMIP-5/CCL15 as determined by LAL method

Target Details

Target:	CCL15
Alternative Name:	MIP-5/CCL15 (CCL15 Products)
Background:	CCL15, a new human CC chemokine, was isolated from a human fetal spleen cDNA library. CCL15 cDNA encodes a predicted 113 amino acid (aa) protein containing a putative signal peptide of 21 amino acids that is cleaved to generate a 92 aa residue mature protein. Within the

Target Details

CC family members, human CCL15 shares 45%, 44%, 35%, and 30% aa homology with mouse C10, human MIPF-1, human HCC-1, and mouse MIP-1^β, 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. Synonym: MIP-5/CCL15, Human. Formulation: Lyophilized from a 0.2μm filtered concentrated solution in 20mM PB, pH 7.4, 100mM NaCl.

Molecular Weight: 10.1 kDa, a single non-glycosylated polypeptide chain containing 92 amino acids.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20 °C. Further dilutions should be made in appropriate buffered solutions.

Storage: 4 °C