

Recombinant Human Chemokine (C-C motif) Ligand 3

Cat. No. CCL3-363H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CCL3 contains 69 amino acid residues was expressed in Insect cells. Its molecular weight is 7700 Dalton.
Species	Human
Source	Insect Cells
Description	CCL3 is identical to MIP1-beta (ACT II isotype) except for two amino acid substitutions: arginine for histidine at position 22 and serine for glycine at position 47 of the mature protein.
Form	Lyophilized without additives
Molecular Weight	7.7 kDa
Purity	> 98% as determined by SDS-PAGE analysis
Endotoxin Level	< 0.1 ng/g of LAG1
Biological Activity	Determined by its ability to chemoattract CCR5 transfected cells using a concentration of 0.1-10.0 ng/ml.
Reconstitution	Centrifuge vial prior to opening. First add sterile distilled water to the vial to fully solubilize the protein to a concentration of 0.1-1.0 mg/ml. After complete solubilization of the protein, it can be further diluted to other

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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Storage

Store lyophilized protein at -20°C to -80°C and reconstituted protein in working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.

Official Symbol

CCL3

GENE INFORMATION

Gene Name

CCL3 chemokine (C-C motif) ligand 22 [Homo sapiens]

Synonyms

CCL3; chemokine (C-C motif) ligand 3; MIP1A; SCYA3; G0S19-1; LD78ALPHA; MIP-1-alpha; LD78 alphabeta; small inducible cytokine A3 (homologous to mouse Mip-1a); SIS-beta; G0/G1 switch regulatory protein 19-1; G0S19-1 protein; LD78 alpha beta; Macrophage inflammatory protein 1-alpha; PAT 464.1; Small-inducible cytokine A3; Tonsillar lymphocyte LD78 alpha protein; C-C motif chemokine 3; Small-inducible cytokine A3; MIP-1-alpha; Tonsillar lymphocyte LD78 alphaprotein; G0/G1 switch regulatory protein 19-1; G0S19-1 protein; SIS-beta; PAT464.1

Gene ID

6348

mRNA Refseq

NM_002983

Protein Refseq

NP_002974

MIM

182283

UniProt ID

P10147

Chromosome Location

17q11-q21

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Pathway	Chemokine signaling pathway; Cytokine-cytokine receptor interaction; Chagas disease (American trypanosomiasis); Chemokine receptors bind chemokines; Class A/1 (Rhodopsin-like receptors); GPCR ligand binding; IL12-mediated signaling events; Peptide ligand-binding receptors; Rheumatoid arthritis; Senescence and Autophagy; Salmonella infection; Signal Transduction; Signaling by GPCR; Toll-like receptor signaling pathway
Function	chemoattractant activity; chemokine activity; signal transducer activity
PDB rendering based on 1b50.	