

Active Recombinant Human CCL4

Cat. No. CCL4-16H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human recombinant MIP-1 beta is produced in genetically engineered yeast, and purified by sequential chromatography.
Species	Human
Source	yeast
Description	Macrophage Inflammatory Protein MIP-1 beta is part of the CC subfamily of the chemokine superfamily of chemoattractant cytokines. MIP-1 beta affects the inflammatory response of blood monocytes, tissue macrophages, and T cells. MIP-1 beta also enhances the formation of granulocyte-macrophage colonies stimulated by GM-CSF or M-CSF. Human MIP-1 beta is composed of 69 amino acid residues with one possible N-linked glycosylation sites, and several possible O-linked sites. Human MIP-1 beta is 60% homologous with human MIP-1 beta.
Form	In water at a concentration of 1.0 mg protein/ml
Bio-activity	The biological activity of recombinant human MIP-1 alpha is determined by its use as a cofactor for CSF-dependent myelopoiesis.
Molecular Mass	8 KDa
Purity	Over 95% pure by SDS gel electrophoresis, with low level of endotoxin.
Stability	Several months at -80°C.

 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

Storage Store at -80°C.

GENE INFORMATION

Gene Name CCL4 chemokine (C-C motif) ligand 4 [Homo sapiens (human)]

Official Symbol CCL4

Synonyms

ACT2; G-26; LAG1; MIP1B; SCYA2; SCYA4; MIP1B1; AT744.1; MIP-1-beta; CCL4; chemokine C-C motif ligand 4; CC chemokine ligand 4; secreted protein G-26; lymphocyte-activation gene 1; small inducible cytokine A4 (homologous to mouse Mip-1b); Macrophage inflammatory protein 1-beta; Short name=MIP-1-beta; MIP-1-beta(1-69); T-cell activation protein 2; Short name=ACT-2; PAT 744; Protein H400; SIS-gamma; Lymphocyte activation gene 1 protein; Short name=LAG-1; HC21; T-lymphocyte-secreted protein; MIP-1-beta(3-69); LAG1; MGC104418; MGC126025; MGC126026

Gene ID 6351

mRNA Refseq NM_002984

Protein Refseq NP_002975

MIM 182284

UniProt ID P13236

Chromosome Location 17q12

Pathway Chemokine signaling pathway; Cytokine-cytokine receptor interaction; Toll-like

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receptor signaling pathway

Function

chemokine activity; receptor signaling protein; tyrosine kinase activity

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