

Recombinant Human CCL4

Cat. No. CCL4-77H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CCL4/MIP-1 beta was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Human
Source	Yeast
Description	Chemokine ligand 4 (CCL4) is a small cytokine belonging to the CC chemokine family that is commonly known as MIP-1 beta. There are at least 27 distinct members of the C-C subgroup reported for mammals. They are characterized by two adjacent cysteines. CC chemokines induce the migration of monocytes and other cell types such as NK cells and dendritic cells. CCL4 (MIP-1 beta) is a chemoattractant for natural killer cells, monocytes and a variety of other immune cells. CCL4 is involved in several inflammatory and autoimmune diseases including viral infection such as HIV-1/AIDS.
Form	Lyophilized
Molecular Mass	7.8 kDa
AA Sequence	APMGSDPPTA CCFSYTARKL PRNFVVDYVE TSSLCSQPAV VFQTKRSKQV CADPSETWVQ EYVYDLELN (69)
Applications	The Human CCL4/MIP-1 beta protein can be used in cell culture, as an CCL4/MIP-1 beta ELISA Standard, and as a Western Blot Control.

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Storage -20 C

GENE INFORMATION

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

Official Symbol CCL4

Synonyms

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

Gene ID 6351

mRNA Refseq NM_002984

Protein Refseq NP_002975

MIM 182284

UniProt ID P13236

Chromosome Location 17q21-q23

Pathway Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine

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signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem;

Function

CCR1 chemokine receptor binding; CCR5 chemokine receptor binding; chemokine activity; cytokine activity;

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