

Macrophage Inflammatory protein-1 beta Active Protein | MIP 1b active protein

Recombinant Human Macrophage Inflammatory protein-1 beta (CCL4)

CATALOG #
AAA38083

HOST
E Coli

PRODUCT SYNONYMS

Macrophage Inflammatory protein-1 beta; Recombinant Human Macrophage Inflammatory protein-1 beta (CCL4); MIP 1b Human; Macrophage Inflammatory Protein-1 Beta Human Recombinant (CCL4); Small inducible cytokine A4; CCL4; Macrophage inflammatory protein 1-beta; MIP-1- beta; MIP-1-beta(1-69); T-cell activation protein 2; ACT-2; PAT 744; H400; SIS-gamma; Lymphocyte activation gene 1 protein; LAG-1; HC21; G-26 T-lymphocyte-secreted protein; chemokine (C-C motif) ligand 4; ACT2; G-26; LAG1; MIP1B; SCYA4; AT744.1; MGC104418; MGC126025; MGC126026; MIP 1b active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 99.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a concentrated (1 mg/ml) solution in water containing no additives. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	Thesequenc eofthefirs ftiveN-ter minalamino acidswasde terminedan dwasfoundt obe,Ala-Pr o-Met-Gly- Ser
Sequence Length	92
Solubility	It is recommended to reconstitute the lyophilized Macrophage Inflammatory Protein-1b in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The Activity is calculated by the ability to chemoattract Human blood monocytes using a concentration of 5-20ng/ml corresponding to a Specific Activity of 50,000-200,000IU/mg.
Preparation and Storage	Lyophilized MIP-1b although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution CCL4 should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for MIP 1b active protein	Description: Macrophage Inflammatory Protein-1 beta Human Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 69 amino acids and having a molecular mass of 7620 Dalton. The CCL4 is purified by proprietary chromatographic techniques. Introduction: Macrophage Inflammatory Proteins belong to the family of chemotactic cytokines known as chemokines. In humans, there are two major forms, MIP-1a and MIP-1b that are now also named CCL3 and CCL4. Both factors are produced by macrophages after they are stimulated with bacterial endotoxins. MIP-1a and MIP-1b activate human granulocytes (neutrophils, eosinophils and basophils) which can lead to acute neutrophilic inflammation. MIP-1a and MIP-1b induce synthesis and release of other pro-inflammatory cytokines such as interleukin-1 (IL-1), IL-6 and TNF-alpha from fibroblasts and macrophages. CCL3 and CCL4 genes are both located on human chromosome 17.
Product Categories/Family for MIP 1b active protein	Chemokines; MIP

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506845
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NCBI GeneID	6351
NCBI Accession #	NP_002975.1
NCBI GenBank Nucleotide #	NM_002984.3
UniProt Accession #	P13236; P22617; Q13704; Q3SXL8; Q6FGI8
Molecular Weight	10,212 Da
NCBI Official Full Name	C-C motif chemokine 4
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 4
NCBI Official Symbol	CCL4
NCBI Official Synonym Symbols	ACT2; G-26; HC21; LAG1; LAG-1; MIP1B; SCYA2; SCYA4; MIP1B1; AT744.1; MIP-1-beta
NCBI Protein Information	C-C motif chemokine 4; G-26 T-lymphocyte-secreted protein; MIP-1-beta(1-69); PAT 744; SIS-gamma; T-cell activation protein 2; lymphocyte activation gene 1 protein; macrophage inflammatory protein 1-beta; secreted protein G-26; small inducible cytokine A4 (homologous to mouse Mip-1b)
UniProt Protein Name	C-C motif chemokine 4
UniProt Gene Name	CCL4
UniProt Synonym Gene Names	LAG1; MIP1B; SCYA4; LAG-1; MIP-1-beta; ACT-2
UniProt Entry Name	CCL4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-mip-1b-active-protein/macrophage-inflammatory-protein-1-beta/38083>