

Macrophage Inflammatory protein-3 alpha Active Protein | mMIP 3alpha active protein

Recombinant Mouse Macrophage Inflammatory protein-3 alpha (CCL20)

CATALOG #
AAA38581

HOST
E Coli

PRODUCT SYNONYMS

Macrophage Inflammatory protein-3 alpha; Recombinant Mouse Macrophage Inflammatory protein-3 alpha (CCL20); MIP 3a Mouse; Macrophage Inflammatory Protein-3 alpha Mouse Recombinant (CCL20); mMIP 3a; Small inducible cytokine A20 precursor; CCL20; Macrophage inflammatory protein 3 alpha; MIP-3-alpha; Liver and activation- regulated chemokine; CC chemokine LARC; Beta chemokine exodus-1; CKb4; LARC; ST38; MIP3A; MIP-3a; SCYA20; C-C motif chemokine 20; CC chemokine ST38; exodus-1; mMIP 3alpha active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a concentrated (1mg/ml) solution in water containing no additives. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	ASNYDCCLSY IQTPLPSRAI VGFTRQMADE ACDINAIIFH TKKRKSVCAD PKQNWVKRAV NLLSLRVKKM
Sequence Length	96
Solubility	It is recommended to reconstitute the lyophilized MIP-3a 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 its ability to chemoattract primary human T cells at 2-20ng/ml, corresponding to a specific activity of 50,000-500,000 units/mg.
Preparation and Storage	Lyophilized MIP-3a although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution CCL-20 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 mMIP 3alpha active protein	Description: Macrophage Inflammatory Protein-3 alpha Mouse Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 70 amino acids and having a molecular mass of 7.9 kDa. The MIP-3a is purified by proprietary chromatographic techniques. Introduction: CCL20 is a chemotactic factor that draws lymphocytes & neutrophils, rather than monocytes. MIP-3 alpha inhibits proliferation of myeloid progenitors in colony formation assays. MIP3A plays a role in the formation and function of the mucosal lymphoid tissues by attracting lymphocytes and dendritic cells towards epithelial cells. C-terminal processed forms have been shown to be equally chemotactically active for leukocytes. CCL20 holds antibacterial activity e.coli 25922 and s.aureus 29213. CCL20 gene transcription is activated by H. pylori, which activates NF-kappaB through intracellular signal pathway which involves IkappaB kinase and NF-kappaB-inducing kinase. MIP-3 alpha is involved in chemokine-mediated lymphocyte trafficking during gastric inflammation in Helicobacter infection. CCL20 expression is involved in the recruitment of CD45RO-positive T cell subsets into the intestinal lamina propria. MIP-3A is in charge of the advancement of pulpal inflammation through the recruitment of C-C motif Receptor 6-expressing lymphocytes Vaginal epithelial cells respond to factors present in semen by secreting MIP-3 alpha, which increases langerhans cells recruitment during HIV transmission.
Product Categories/Family for mMIP 3alpha active protein	Chemokines; MIP

NCBI AND UNIPROT INFORMATION

NCBI GI #	229092240
NCBI GeneID	20297
NCBI Accession #	NP_001153210.1
NCBI GenBank Nucleotide #	NM_001159738.1
UniProt Accession #	O89093; Q9Z1X3
Molecular Weight	10,755 Da
NCBI Official Full Name	C-C motif chemokine 20 isoform 2
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 20
NCBI Official Symbol	Ccl20
NCBI Official Synonym Symbols	CKb4; LARC; ST38; MIP3A; MIP-3A; Scya20; MIP-3[a]; exodus-1
NCBI Protein Information	C-C motif chemokine 20; CC chemokine LARC; CC chemokine ST38; MIP-3-alpha; beta chemokine exodus-1; beta-chemokine exodus-1; liver and activation-regulated chemokine; macrophage inflammatory protein 3 alpha; small inducible cytokine subfamily A20; small-inducible cytokine A20
UniProt Protein Name	C-C motif chemokine 20
UniProt Gene Name	Ccl20
UniProt Synonym Gene Names	Larc; Scya20; MIP-3-alpha
UniProt Entry Name	CCL20_MOUSE

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-mmip-3alpha-active-protein/macrophage-inflammatory-protein-3-alpha/38581>