32-8863: Recombinant Mouse C-C Motif Chemokine 3/CCL3/MIP-1a(N-6His)

Gene :   Ccl3
Gene ID :   20302
Uniprot ID : P10855

Description

Source: E.coli.
MW :10.8kD.
Recombinant Mouse Fibroblast growth factor 9 is produced by our E.coli expression system and the target gene encoding Met1ÂSer208 is expressed with a 7his tag at the C-terminus. C-C Motif Chemokine 3 (MIP-1 alpha,CCL3) is a member of the beta or CC subfamily of chemokines and is closely related to CCL4/MIP-1 beta. CCL3 expression can be induced in a variety of hematopoietic cells, fibroblasts, smooth muscle cells, and epithelial cells. Mature mouse CCL3 shares 73%, 91%, and 82% amino acid sequence identity with human, rat, and cotton rat CCL3, respectively. CCL3 exerts its biological functions through interactions with CCR1, CCR3, and CCR5. It is cleared from the extracellular space by internalization via the decoy chemokine receptor D6. CCL3 promotes the chemoattraction, adhesion to activated vascular endothelium, and cellular activation of many hematopoietic cell types including activated T cells, NK cells, neutrophils, monocytes, immature dendritic cells, and eosinophils. CCL3 is also known as stem cell inhibitor (SCI) and can inhibit the proliferation of hematopoietic progenitor cells. CCL3 bioactivity contributes to tumor metastasis and the inflammatory components of viral infection, rheumatoid arthritis, and hepatitis, although it also can suppress the replication of HIV.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of 20mM Tris,150mM NaCl,5%Trehalose,1mM EDTA,pH8.0.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	MGSSHHHHHHSSGLVPRGSHMDDDDKAPYGADTPTACCFSYSRKIPRQFIVDYFETSSLCSQPGVIFLTKRNR QICADSKETWVQEYITDLELNA

Application Note

Endotoxin : Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.