

Recombinant Human CCL3, His-tagged

Cat. No. CCL3-29859TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Macrophage Inflammatory Protein 1 alpha / CCL3 with N terminal His tag; 90 amino acids with tag, Predicted MWt 10 kDa.
Species	Human
Source	E.coli
ProteinLength	69 amino acids
Description	This locus represents a small inducible cytokine. The encoded protein, also known as macrophage inflammatory protein 1 alpha, plays a role in inflammatory responses through binding to the receptors CCR1, CCR4 and CCR5. Polymorphisms at this locus may be associated with both resistance and susceptibility to infection by human immunodeficiency virus type 1.
Conjugation	HIS
Molecular Weight	10.000kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 10mM Sodium citrate, pH 3.5

 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	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMSLAADTPTACCFSYTSRQIPQNFADYFETSSQCS KPGVIFLTKRSRQVCADPSEEWVQKYVSDLELSA
Sequence Similarities	Belongs to the intercrine beta (chemokine CC) family.

GENE INFORMATION

Gene Name	CCL3 chemokine (C-C motif) ligand 3 [Homo sapiens]
Official Symbol	CCL3
Synonyms	CCL3; chemokine (C-C motif) ligand 3; SCYA3, small inducible cytokine A3 (homologous to mouse Mip 1a); C-C motif chemokine 3; G0S19 1; LD78ALPHA; MIP 1 alpha;
Gene ID	6348
mRNA Refseq	NM_002983
Protein Refseq	NP_002974
MIM	182283
Uniprot ID	P10147
Chromosome Location	17q12

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Pathway

Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem;

Function

chemoattractant activity; chemokine activity; signal transducer activity;

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