Bioactive

CCL3 (Human) Recombinant Protein

Catalog # P3651 Size 20 ug

Specification

Product Description	Human CCL3 (P10147, 24 a.a. - 92 a.a.) partial recombinant protein expressed in *Escherichia coli*.
Sequence	SLAADTPTACCFSYTSRQIPQNFIADYFETSSQCSKPGVIFLTKRSRQVCADPSEEWVQKYVSDL ELSA
Host	Escherichia coli
Theoretical MW (kDa)	8
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purification	Ion exchange column and HPLC reverse phase column
Purity	> 90% by SDS-PAGE and HPLC
Endotoxin Level	< 0.1 ng/ug (1 EU/ug)
Activity	Determined by the ability to chemoattract human monocytes using a concentration range of 1.0-10.0 ng/mL.
Storage Buffer	Lyophilized from PBS, pH 7.5
Storage Instruction	Store at -20°C on dry atmosphere for 2 years. After reconstitution with deionized water, store at 4°C for 1 month or store at -20°C for 6 months. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

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Gene Info — CCL3

Entrez GeneID	6348
Protein Accession#	P10147
Gene Name	CCL3
Gene Alias	G0S19-1, LD78ALPHA, MIP-1-alpha, MIP1A, SCYA3
Gene Description	chemokine (C-C motif) ligand 3
Omim ID	182283 609423
Gene Ontology	Hyperlink
Gene Summary	Macrophage inflammatory protein-1 is a so-called monokine that is involved in the acute inflammatory state in the recruitment and activation of polymorphonuclear leukocytes (Wolpe et al., 1988 [PubMed 3279154]). Sherry et al. (1988) [PubMed 3058856] demonstrated 2 protein components of MIP1, called by them alpha and beta.[supplied by OMIM
Other Designations	LD78 alpha beta|small inducible cytokine A3 (homologous to mouse Mip-1a)

Pathway

- Chemokine signaling pathway
- Cytokine-cytokine receptor interaction
- Toll-like receptor signaling pathway

Disease

- Alzheimer disease
- Arthritis
- Carpal Tunnel Syndrome
- Connective Tissue Diseases
- Fetal Diseases
- Genetic Predisposition to Disease
- HIV Infections

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- Infection
- Inflammation
- Kidney Failure
- Multiple Sclerosis
- Musculoskeletal Diseases
- Pregnancy Complications
- Premature Birth
- Sarcoidosis
- Skin Diseases
- Tuberculosis

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