Bioactive

CCL3 (Human) Recombinant Protein

Catalog # P9534 Size 20 ug

Specification

Product Description	Human CCL3 (P10147, 23 a.a. - 92 a.a.) partial recombinant protein expressed in *Escherichia coli*.
Sequence	ASLAADTPTACCFSYTSRQIPQNFIADYFETSSQCSKPGVIFLTKRSRQVCADPSEEWVQKYVSD LELSA
Host	Escherichia coli
Theoretical MW (kDa)	7.8
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 98.0% by SDS-PAGE
Activity	The Biological activity is 1 - 10 ng/mL, was calculated by the ability of chemo-attraction of Human mo nocytes, corresponding to a specific activity of 100000 - 1000000 IU/mg.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. 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

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

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