Bioactive Full-Length

CCL11 (Human) Recombinant Protein

Catalog # P3603 Size 20 ug

Specification

Product Description	Human CCL11 (P51671, 1 a.a. - 97 a.a.) full-length recombinant protein. expressed in *Escherichia coli*.
Sequence	MKVSAALLWLLLIAAAFSPQGLAGPASVPTTCCFNLANRKIPLQRLESYRRITSGKCPQKAVIFKTK LAKDICADPKKKWVQDSMKYLDQKSPTPKP
Host	Escherichia coli
Theoretical MW (kDa)	9
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	Activity was determined by the ability to induce chemotaxis of purified eosinophils at concentrations r anging between 50-100 ng/mL.
Storage Buffer	Lyophilized from PBS solution, pH 7.4.
Storage Instruction	Store at 4°C on dry atmosphere. After reconstitution with 20 uL of deionized (sterilized) water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

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Gene Info — CCL11

Entrez GeneID	6356
Protein Accession#	P51671
Gene Name	CCL11
Gene Alias	MGC22554, SCYA11
Gene Description	chemokine (C-C motif) ligand 11
Omim ID	600807 601156 609423
Gene Ontology	Hyperlink
Gene Summary	This gene is one of several Cys-Cys (CC) cytokine genes clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory pr ocesses. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine e ncoded by this gene displays chemotactic activity for eosinophils, but not mononuclear cells or ne utrophils. This eosinophil specific chemokine assumed to be involved in eosinophilic inflammatory diseases such as atopic dermatitis, allergic rhinitis, asthma and parasitic infections. [provided by RefSeq
Other Designations	eosinophil chemotactic protein|eotaxin|small inducible cytokine A11|small inducible cytokine subf amily A (Cys-Cys), member 11 (eotaxin)

Pathway

- Asthma
- Chemokine signaling pathway
- Cytokine-cytokine receptor interaction

Disease

- Arthritis
- Asthma
- Atherosclerosis
- Birth Weight

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- Brain Ischemia
- Bronchial Hyperreactivity
- Bronchiolitis
- Calcinosis
- Cardiovascular Diseases
- Cerebral Infarction
- Chlamydia Infections
- Colitis
- Constriction
- Coronary Artery Disease
- Coronary Disease
- Dermatitis
- Diabetes Mellitus
- Disease Progression
- Edema
- Encephalomyelitis
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- HIV Infections
- Hypercholesterolemia
- Hypersensitivity
- Hypertension
- Infant
- Inflammation
- Intracranial Thrombosis

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- Kidney Failure
- Leukemia
- Meningeal Neoplasms
- Meningioma
- Metabolic Syndrome X
- Migraine Disorders
- Multiple Sclerosis
- Myocardial Infarction
- Obesity
- Osteoporosis
- Ovarian Neoplasms
- Pulmonary Disease
- Recurrence
- Renal Insufficiency
- Respiratory Syncytial Virus Infections
- Stroke
- Trachoma
- Werner syndrome

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