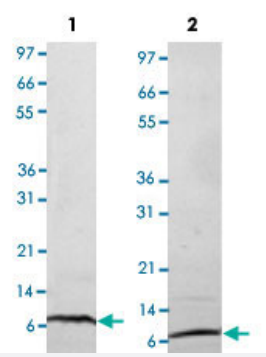
Bioactive

CCL8 (Human) Recombinant Protein

Catalog # P4423 Size 10 ug

Applications



Lane 1: non-reducing conditions
Lane 2: reducing conditions

Result of activity analysis

Result of activity analysis

Human THP-1 cells were allowed to migrate to human CCL8 at (0, 0.1, 1, 10, 100 and 1000 ng/mL). After 45 minutes, cells that migrated were counted using a luminescent substrate and displayed on the bar graph above.

Specification

Product Description	Human CCL8 (P80075) recombinant protein expressed in *Escherichia coli*.
Sequence	QPDSVSIPITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTKRGKEVCADPKERWVRDSMKHLD QIFQNLKP
Host	Escherichia coli
Theoretical MW (kDa)	8.9
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Endotoxin Level	< 0.1 EU/ug

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Activity	The activity is determined by the ability of MCP-2 to chemoattract THP-1 cells and is detectable starti ng at 100 ng/mL.
Quality Control Testing	1 ug/lane in 4-20% Tris-Glycine gel Stained with Coomassie Blue Lane 1: non-reducing conditions Lane 2: reducing conditions
Storage Buffer	No additive
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with sterilized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis Human THP-1 cells were allowed to migrate to human CCL8 at (0, 0.1, 1, 10, 100 and 1000 ng/mL). After 45 minutes, cells that migrated were counted using a luminescent substrate and displayed on th e bar graph above.

Applications

- Functional Study
- SDS-PAGE

Gene Info — CCL8

Entrez GeneID	6355
Protein Accession#	P80075
Gene Name	CCL8
Gene Alias	HC14, MCP-2, MCP2, SCYA10, SCYA8
Gene Description	chemokine (C-C motif) ligand 8
Omim ID	602283
Gene Ontology	Hyperlink

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Gene Summary	This gene is one of several cytokine genes clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The protein encoded by this gene is structurally related to the CXC subfamily of cytokines. Members o f this subfamily are characterized by two cysteines separated by a single amino acid. This cytokin e displays chemotactic activity for monocytes, lymphocytes, basophils and eosinophils. By recruiti ng leukocytes to sites of inflammation this cytokine may contribute to tumor-associated leukocyte i nfiltration and to the antiviral state against HIV infection. [provided by RefSeq
Other Designations	monocyte chemoattractant protein 2|monocyte chemotactic protein 2|small inducible cytokine A8| small inducible cytokine subfamily A (Cys-Cys), member 8 (monocyte chemotactic protein 2)

Pathway

- Chemokine signaling pathway
- Cytokine-cytokine receptor interaction

Disease

- Alzheimer disease
- Arthritis
- Asthma
- Birth Weight
- Bronchiolitis
- Connective Tissue Diseases
- Dementia
- Encephalomyelitis
- Fetal Diseases
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Hepatitis C
- HIV Infections

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- Infant
- Infection
- Inflammation
- Leukemia
- Liver Cirrhosis
- Lupus Erythematosus
- Lymphoma
- Meningeal Neoplasms
- Meningioma
- Multiple Sclerosis
- Musculoskeletal Diseases
- Osteoporosis
- Pregnancy Complications
- Premature Birth
- Respiratory Syncytial Virus Infections
- Skin Diseases

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