

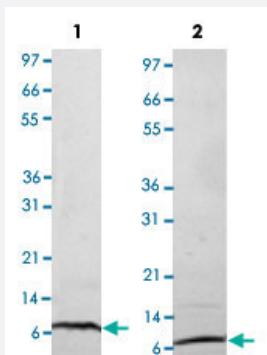
Bioactive

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 <i>Escherichia coli</i> .
Sequence	QPDSVSIPITCCFNVINRKIPQIRLESYTRITNIQCPKEAVIFKTKRGKEVCADPKERWVRDSMKHLD QIFQNLKP
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	8.9
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Endotoxin Level	< 0.1 EU/ug

Activity	The activity is determined by the ability of MCP-2 to chemoattract THP-1 cells and is detectable starting 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 the 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

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 of this subfamily are characterized by two cysteines separated by a single amino acid. This cytokine displays chemotactic activity for monocytes, lymphocytes, basophils and eosinophils. By recruiting leukocytes to sites of inflammation this cytokine may contribute to tumor-associated leukocyte infiltration 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](#)

- [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](#)