

Bioactive

CCL7 (Human) Recombinant Protein

Catalog # P7391

Size 10 ug

Specification

Product Description	Human CCL7 (Q7Z7Q8, 34 a.a. - 109 a.a.) partial recombinant protein expressed in CHO cells.
Sequence	QPVGINSTTCCYRFINKKIPKQRLESYRRTSSHCPREAVIFKTKLDKEICADPTQKWWQDFMKHL DKKTQTPKL
Host	Mammals
Theoretical MW (kDa)	10 ~ 18
Form	Lyophilized
Preparation Method	_x005F_x000D__x000D_ Mammalian cell (CHO) expression system_x005F_x000D__x000D_
Purity	> 98% as analyzed by SDS-PAGE.
Endotoxin Level	< 0.2 EU/ ug of protein (gel clotting method)
Activity	Human CCL7 EC ₅₀ < 1.5 ug/mL, measured on Ca ²⁺ mobilization assay in CHO-K1/ Galpha15/hCCR1 cells (human Galpha15 and human CCR1 stably expressed in CHO-K1 cells).
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS. Reconstitute the lyophilized powder in ddH ₂ O up to 100 ug/mL.
Storage Instruction	Store at 4°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — CCL7

Entrez GeneID	6354
Protein Accession#	Q7Z7Q8
Gene Name	CCL7
Gene Alias	FIC, MARC, MCP-3, MCP3, MGC138463, MGC138465, NC28, SCYA6, SCYA7
Gene Description	chemokine (C-C motif) ligand 7
Omim ID	158106
Gene Ontology	Hyperlink
Gene Summary	This gene encodes monocyte chemotactic protein 3, a secreted chemokine which attracts macrophages during inflammation and metastasis. It is a member of the C-C subfamily of chemokines which are characterized by having two adjacent cysteine residues. The protein is an in vivo substrate of matrix metalloproteinase 2, an enzyme which degrades components of the extracellular matrix. This gene is part of a cluster of C-C chemokine family members on chromosome 17q. [provided by RefSeq]
Other Designations	monocyte chemoattractant protein 3 monocyte chemotactic protein 3 small inducible cytokine A7 (monocyte chemotactic protein 3)

Pathway

- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)

Disease

- [Arthritis](#)
- [Asthma](#)
- [Birth Weight](#)
- [Bronchiolitis](#)
- [Crohn Disease](#)

- [Disease Progression](#)
- [Encephalomyelitis](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)
- [Infant](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Ovarian Neoplasms](#)
- [Respiratory Syncytial Virus Infections](#)