CCL8 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	CCL8, Lysate
Full Product Name	Human CCL8 Protein Lysate
Product Gene Name	CCL8 lysate
Product Synonym Names	CCL8; HC14; MCP-2; MCP2; SCYA10; SCYA8
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	9kDa
OMIM	602283
3D Structure	ModBase 3D Structure for P80075
Related Product Information for CCL8 lysate	Human CCL8 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of CCL8 lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CCL8 purchase	MBS138934 is a lysate targeting CCL8. Also known as Human CCL8 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CCL8. It may not necessarily be applicable to this product.

NCBI GI #	22538816
NCBI GeneID	6355
NCBI Accession #	NP_005614
UniProt Primary Accession #	P80075
UniProt Related Accession #	P80075
GenBank Nucleotide #	NM_005623
NCBI Official Full Name	C-C motif chemokine 8
NCBI Official Synonym Full Names	C-C motif chemokine ligand 8
NCBI Official Symbol	CCL8
NCBI Official Synonym Symbols	HC14; MCP2; MCP-2; SCYA8; SCYA10
UniProt Protein Name	C-C motif chemokine 8
UniProt Synonym Protein Names	HC14; Monocyte chemoattractant protein 2; Monocyte chemotactic protein 2; MCP-2; Small-inducible cytokine A8MCP-2(6-76)

Protein Family	C-C motif chemokine
UniProt Gene Name	CCL8
UniProt Synonym Gene Names	MCP2; SCYA10; SCYA8; MCP-2
UniProt Entry Name	CCL8_HUMAN
NCBI Protein Information	C-C motif chemokine 8
NCBI Summary for CCL8	This antimicrobial gene is one of several chemokine genes clustered on the q-arm of chromosome 17. Chemokines form a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of N-terminal cysteine residues of the mature peptide. This chemokine is a member of the CC subfamily which is characterized by two adjacent cysteine residues. 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, Sep 2014]
UniProt Comments for CCL8	CCL8: Chemotactic factor that attracts monocytes, lymphocytes, basophils and eosinophils. May play a role in neoplasia and inflammatory host responses. This protein can bind heparin. The processed form MCP-2(6-76) does not show monocyte chemotactic activity, but inhibits the chemotactic effect most predominantly of CCL7, and also of CCL2 and CCL5 and CCL8. Belongs to the intercrine beta (chemokine CC) family. Protein type: Secreted; Secreted, signal peptide; Motility/polarity/chemotaxis; Chemokine Chromosomal Location of Human Ortholog: 17q11.2 Cellular Component: extracellular space Molecular Function: heparin binding; chemokine activity; protein kinase activity; phospholipase activator activity Biological Process: cellular calcium ion homeostasis; positive regulation of catalytic activity; exocytosis; cell-cell signaling; calcium ion transport; response to virus; immune response; chemotaxis; inflammatory response; signal transduction; protein amino acid phosphorylation
Research Articles on CCL8	**1.** It was shown that MCP2 was able to activate the NF-kappaB signaling pathway inducing the epithelial-mesenchymal transition (EMT) and promoting the migration and invasion of ESCC cells in vitro.
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