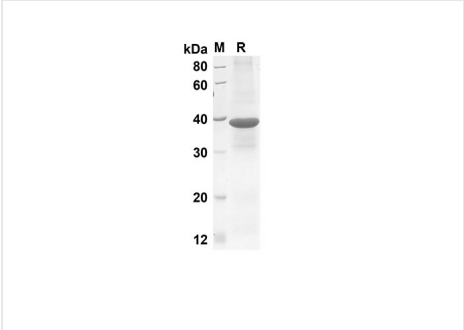
CCL3 Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	CCL3, Recombinant Protein
Full Product Name	Recombinant Mouse CCL3 Protein (Gst Tag)
Product Gene Name	CCL3 recombinant protein
Product Synonym Names	C C motif chemokine 3; CCL 3; CCL3; CCL3_HUMAN; Chemokine (C C motif) ligand 3; Chemokine C C motif ligand 3; Chemokine ligand 3; G0/G1 switch regulatory protein 19 1; G0/G1 switch regulatory protein 19-1; G0S19 1; G0S19 1 protein; Heparin binding chemotaxis protein; L2G25B; LD78 alpha; LD78-alpha(4-69); LD78alpha; Macrophage inflammatory protein 1 alpha; Macrophage inflammatory protein 1-alpha; macrophage inflammatory protein 1a; MIP 1 alpha; MIP 1A; MIP-1-alpha; MIP-1-alpha(4-69); MIP1 alpha; MIP1A
Sequence	Ala24-Ala9 2
Host	E coli
Form/Format	Lyophilized from a 0.2um filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Purity/Purification	>90% as determined by reducing SDS-PAGE.
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months.
Molecular Weight	10,345 Da
3D Structure	ModBase 3D Structure for P10855
Species	Mouse
Tag	N-Gst
Endotoxin	<10EU/mg of the protein as determined by the LAL method.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5mg/mL. Concentration is measured by UV-Vis.
Product Categories/Family for CCL3 recombinant protein	Proteins; Recombinant Proteins; Immune Checkpoint Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CCL3 recombinant protein	CCL3 is a cytokine belonging to the CC chemokine family. Chemokines are a family of structurally related leukocyte chemoattractant cytokines that play a central role during immunoregulatory and inflammation processes. All chemokines contain four conserved cysteines linked by disulfide bonds, and two major subfamilies, namely CXC and CC, are defined on the basis of the first two cysteines which are separated by one amino acid or are adjacent. CCL3 is involved in the acute inflammatory state in the recruitment and activation of polymorphonuclear leukocytes.
Other Notes	Small volumes of CCL3 recombinant protein 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 CCL3 purchase	MBS2580754 is a recombinant protein targeting CCL3. Also known as Recombinant Mouse CCL3 Protein (Gst Tag). Host: E coli.



SDS-PAGE of CCL3 recombinant protein
SDS-PAGE analysis of Mouse CCL3 proteins, 2ug/lane of Recombinant Mouse CCL3 proteins was resolved with an SDS-PAGE under reducing conditions, showing bands at 33.5KD

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CCL3. It may not necessarily be applicable to this product.

NCBI GI #	6755432
NCBI GeneID	20302
NCBI Accession #	NP_035467.1
UniProt Primary Accession #	P10855
UniProt Secondary Accession #	P14096
UniProt Related Accession #	P10855
GenBank Nucleotide #	NM_011337.2
NCBI Official Full Name	C-C motif chemokine 3
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 3
NCBI Official Symbol	Ccl3
NCBI Official Synonym Symbols	Mip1a; Scya3; G0S19-1; AI323804; MIP1-(a); LD78alpha; MIP-1alpha; MIP1-alpha
UniProt Protein Name	C-C motif chemokine 3
UniProt Synonym Protein Names	Heparin-binding chemotaxis protein; L2G25B; Macrophage inflammatory protein 1-alpha; MIP-1-alpha; SIS-alpha; Small-inducible cytokine A3; TY-5
Protein Family	C-C motif chemokine
UniProt Gene Name	Ccl3
UniProt Synonym Gene Names	Mip1a; Scya3; MIP-1-alpha
UniProt Entry Name	CCL3_MOUSE
NCBI Protein Information	C-C motif chemokine 3; L2G25B; MIP-1 alpha; MIP-1-alpha; MIP1 (a); SIS-alpha; TY-5; heparin-binding chemotaxis protein; macrophage inflammatory protein 1-alpha; macrophage inflammatory protein-1alpha; small inducible cytokine A3; small-inducible cytokine

UniProt Comments for CCL3	CCL3L1: Chemotactic for lymphocytes and monocytes. Is a ligand for CCR1, CCR3 and CCR5. Is an inhibitor of HIV-1-infection. The processed form LD78-beta(3-70) shows a 20-fold to 30-fold higher chemotactic activity and is a very potent inhibitor of HIV-1- infection. LD78-beta(3-70) is also a ligand for CCR1, CCR3 and CCR5. Belongs to the intercrine beta (chemokine CC) family. Protein type: Secreted; Motility/polarity/chemotaxis; Chemokine; Secreted, signal peptide Cellular Component: extracellular space; cell; extracellular region; cytosol Molecular Function: protein binding; chemokine activity; cytokine activity Biological Process: neutrophil chemotaxis; positive regulation of osteoclast differentiation; leukocyte chemotaxis; positive regulation of interleukin-1 beta secretion; chemotaxis; positive regulation of tumor necrosis factor production; macrophage chemotaxis; regulation of cell shape; elevation of cytosolic calcium ion concentration; positive regulation of neuron apoptosis; immune response; positive regulation of transcription from RNA polymerase II promoter; inflammatory response; astrocyte cell migration; positive regulation of inflammatory response
Research Articles on CCL3	**1.** Negative modulation of PGE2 signaling reduced infection-induced anti-inflammatory cytokine polarization and enhanced inflammatory chemokines, CCL3 and CCL5.
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