

Recombinant Mouse Cxcl3 protein

Cat. No. Cxcl3-610M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cxcl3 protein was expressed in Escherichia coli.
Species	Mouse
Source	E.coli
ProteinLength	73
Description	CXCL3, also known as DCIP1 in murine, CINC2 in rat, and GRO γ in humans, is belonging to the CXC chemokine family. It is encoded by the gene CXCL3 in mouse. The functional receptor for CXCL3 has been identified as CXCR2. Similar to other GRO proteins, CXCL3 is potent neutrophil attractants and activators. CXCL3 plays a role in inflammation and exert its effects on endothelial cells in an autocrine fashion. The amino acid sequence of murine CXCL3 is 57 % identical to human CXCL3.
Form	Lyophilized from a 0.2 μ m filtered concentrated solution in PBS, pH 7.4.
Bio-activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human CXCR2 transfected human 293 cells is in a concentration range of 10-100 ng/ml.
Molecular Mass	Approximately 7.9 kDa, a single, non-glycosylated polypeptide chain containing 73 amino acids.
AA Sequence	AVVASELRCQCLNTLPRVDFETIQSLTVTPPGPHCTQTEVIATLKDGQEVCLNPQGP

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	RLQIIKKILKSGKSS
Endotoxin	Less than 1 EU/μg of rMuDCIP-1/CXCL3 as determined by LAL method.
Purity	>97% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	Cxcl3
Official Symbol	Cxcl3
Synonyms	CXCL3; chemokine (C-X-C motif) ligand 3; C-X-C motif chemokine 3; dendritic cell inflammatory protein 1; Dcip1; Gm1960;
Gene ID	330122
mRNA Refseq	NM_203320
Protein Refseq	NP_976065

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UniProt ID

Q6W5C0

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