

Active Recombinant Mouse Cxcl3 Protein (73 aa)

Cat. No. Cxcl3-294C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse DCIP-1/CXCL3 produced in CHO cells is a polypeptide chain containing 73 amino acids. A fully biologically active molecule, rmDCIP-1/CXCL3 has a molecular mass of 8 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.
Species	Mouse
Source	CHO
ProteinLength	73
Description	Chemokine (C-X-C motif) ligand 3 (CXCL3) is a small cytokine belonging to the CXC chemokine family that is also known as DCIP-1 (dendritic cell inflammatory protein-1) or MIP2b. CXCL3 controls migration and adhesion of monocytes and mediates its effect on its target cell by interacting with cell surface chemokine receptor CXCR2. It has been shown that CXCL3 regulates the migration of precursors of cerebellar granule neurons toward the internal layers of cerebellum, during morphogenesis.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	The EC50 value of mouse DCIP-1/CXCL3 on Ca ²⁺ mobilization assay in CHO-K1/Ga15/mCXCR2 cells (human Ga15 and mouse CXCR2 stably expressed in CHO-K1 cells) is less than 100 ng/mL.
Molecular Mass	8 kDa, observed by reducing SDS-PAGE.

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AA Sequence	AVVASELRCQCLNTLPRVDFETIQSLTVTPPGPHCTQTEVIATLKDGQEVCLNPQGP RLQIIKKILKSGKSS
Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	> 98% as analyzed by SDS-PAGE.
Storage	Lyophilized recombinant Mouse DCIP-1/CXCL3 remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Mouse DCIP-1/CXCL3 should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μg/mL.

GENE INFORMATION

Gene Name	Cxcl3 chemokine (C-X-C motif) ligand 3 [<i>Mus musculus</i>]
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
UniProt ID	Q3UNK9

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