

Active Recombinant Rat Cxcl3 Protein (68 aa)

Cat. No. Cxcl3-297C **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Rat CINC-2α/CXCL3 produced in CHO cells is a polypeptide chain containing 68 amino acids. A fully biologically active molecule, rrCINC-2α/CXCL3 has a molecular mass of 7.6 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.

Species Rat

Source CHO

ProteinLength 68

Description Chemokine (C-X-C motif) ligand 3 (CXCL3) is a small cytokine belonging to the CXC chemokine family that is also known as MIP2β (macrophage inflammatory protein 2 beta), or DCIP1 (dendritic cell inflammatory protein1) in mouse, CINC-2 (cytokineinduced neutrophil attractant 2) in rat, or GROγ (growthregulated oncogene gamma) in human. CXCL3 controls migration and adhesion of monocytes and mediates its effects on target cells by interacting with the cell surface chemokine receptor CXCR2. It has been shown that CXCL3 regulates cerebellar granule neuron precursors toward the internal layers of the cerebellum during cerebellum morphogenesis. CXCL3 is a potential target for medulloblastoma therapy. CXCL3 is regulated transcriptionally by BTG2.

Form Sterile Filtered White lyophilized (freeze-dried) powder.

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Bio-activity	The EC50 value of rat CINC-2α/CXCL3 on Ca ²⁺ mobilization assay in CHO-K1/Gα15/rCXCR2 cells (human Gα15 and ratCXCR2 stably expressed in CHO-K1 cells) is less than 100 ng/mL.
Molecular Mass	7.6 kDa, observed by reducing SDS-PAGE.
AA Sequence	RELRCQCLKTLPRVDFENIQSLTVTPPGPHCTQTEVIATLKDGGQEVCLNPQAPRLQKI IQKLLKSDKS
Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	> 98% as analyzed by SDS-PAGE.
Storage	Lyophilized recombinant Rat CINC-2α/CXCL3 remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, recombinant Rat CINC-2α/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>Rattus norvegicus</i>]
Official Symbol	Cxcl3
Synonyms	CXCL3; chemokine (C-X-C motif) ligand 3; C-X-C motif chemokine 3; MIP2-alpha/beta; macrophage inflammatory protein 2-alpha/beta; cytokine-induced neutrophil chemoattractant 2; cytokine-induced neutrophil chemoattractant-2; Cinc2;

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Cinc-2; Gm1960;

Gene ID

171551

mRNA Refseq


NM_138522

Protein Refseq

NP_612531

UniProt ID

Q9EP62

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