

Active Recombinant Human CXCL3 Protein (73 aa)

Cat. No. CXCL3-270C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanGRO-gamma/CXCL3 produced in CHO cells is a polypeptide chain containing 73 amino acids. A fully biologically active molecule, rhGRO-gamma/CXCL3 has a molecular mass of 9kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.
Species	Human
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 GRO3 oncogene (GRO3), GRO protein gamma (GROg) and macrophage inflammatory protein-2-beta (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 the cerebellum, during morphogenesis.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	The EC50 value of human GRO-gamma/CXCL3 on Ca ²⁺ mobilization assay in CHO-K1/Ga15/hCXCR2 cells (human Ga15 and human CXCR2 stably expressed in CHO-K1 cells) is less than 200 ng/mL.

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Molecular Mass	9 kDa, observed by reducing SDS-PAGE.
AA Sequence	ASVVTELRCQCLQTLQGIHLKNIQSVNVRSPGPHCAQTEVIATLKNKGKKACLNPPASP MVQKIIEKILNKGSTN
Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	> 98% as analyzed by SDS-PAGE.
Storage	Lyophilized recombinant Human GRO-gamma/CXCL3 remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Human GRO-gamma/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 [Homo sapiens]
Official Symbol	CXCL3
Synonyms	CXCL3; chemokine (C-X-C motif) ligand 3; GRO3, GRO3 oncogene; C-X-C motif chemokine 3; CINC 2b; GROg; MIP 2b; SCYB3; GRO-gamma; MIP2-beta; MGSA gamma; GRO3 oncogene; GRO-gamma(1-73); growth-regulated protein gamma; macrophage inflammatory protein 2-beta; melanoma growth stimulatory activity gamma; GRO3; MIP2B; MIP-2b; CINC-2b;
Gene ID	2921

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mRNA Refseq	NM_002090
Protein Refseq	NP_002081
MIM	139111
UniProt ID	P19876

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