

Recombinant Human CXCL2 Protein

Cat. No. CXCL2-64H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CXCL2 Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Growth regulated protein beta (GRO-β), also known as CXCL2, is a chemokine that is secreted by macrophages, neutrophils, and monocytes at sites of inflammation. GRO-β functions as a chemoattractant for leukocytes and hematopoietic stem cells. GRO-β activity is mediated through binding the G-protein-coupled chemokine receptor CXCR2.
Bio-activity	No biological activity data is available at this time.
Molecular Mass	Monomer, 7.9 kDa (73 aa)
AA Sequence	APLATELRCQCLQTLQGIHLKNIQSVKVKSPGPHCAQTEVIATLKNGQKACLNPA SPMVKKIIEKMLKNGKSN
Endotoxin	≤1 EUs/μg, Kinetic LAL
Purity	≥95%, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed.

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	3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	CXCL2 chemokine (C-X-C motif) ligand 2 [Homo sapiens (human)]
Official Symbol	CXCL2
Synonyms	CXCL2; chemokine (C-X-C motif) ligand 2; GRO2, GRO2 oncogene; C-X-C motif chemokine 2; CINC 2a; GROb; MGSA b; MIP 2a; SCYB2; gro-beta; MGSA beta; MIP2-alpha; GRO2 oncogene; growth-regulated protein beta; macrophage inflammatory protein 2-alpha; melanoma growth stimulatory activity beta; GRO2; MIP2; MIP2A; MGSA-b; MIP-2a; CINC-2a;
Gene ID	2920
mRNA Refseq	NM_002089

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Protein Refseq	NP_002080
MIM	139110
UniProt ID	P19875

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