

Active Recombinant Human CXCL2 Protein (Ala35-Asn107), N-His tagged, Animal-free, Carrier-free

Cat. No. CXCL2-135H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CXCL2 Protein (Ala35-Asn107) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Ala35-Asn107
Description	C-X-C motif chemokine 2 (CXCL2) also named Growth-regulated oncogene beta (GROβ), which is a chemokine of the intercrine alpha family. CXCL2 is a 8 kDa protein containing 73 amino acid residues. CXCL2 is expressed in immune cells such as macrophages and monocytes. CXCL2 plays an important role with immune responses and cancer progression. CXCL2 activates the cell signal transduction with casepas1 that affect the cell proliferation, differentiation and migration.
Form	Lyophilized
Bio-activity	Measure by its ability to chemoattract human PBMCs using a concentration range of 10.0 - 100.0 ng/mL. Note: Results may vary from different PBMC donors.
Molecular Mass	The protein has a calculated MW of 8.70 kDa. The protein migrates as 12 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

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

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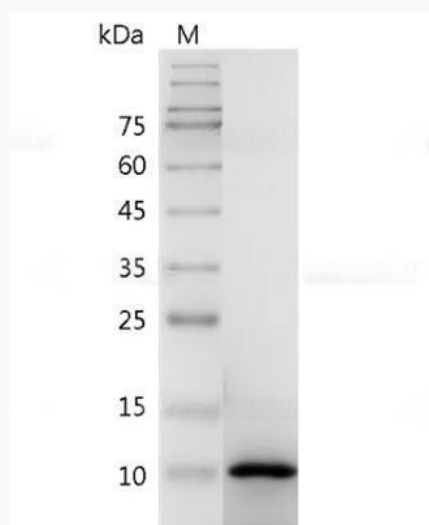
mRNA Refseq [NM_002089](#)

Protein Refseq [NP_002080](#)

MIM [139110](#)

UniProt ID [P19875](#)

**SDS-PAGE analysis
of recombinant
human CXCL2.**



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