

Active Recombinant Mouse Cxcl2 Protein (Ala28-Asn110), N-His tagged, Animal-free, Carrier-free

Cat. No. Cxcl2-78M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cxcl2 Protein (Ala28-Asn110) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Ala28-Asn110
Description	C-X-C motif chemokine 2 (CXCL2) also named Growth-regulated oncogene beta (GRO β), which is a chemokine of the intercrine alpha family. CXCL2 is a 8.1 kDa protein containing 73 amino acid residues. CXCL2 is often 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 affects the cell proliferation, differentiation and migration.
Form	Lyophilized
Bio-activity	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED50 for this effect is < 0.5 ng/mL.
Molecular Mass	The protein has a calculated MW of 8.66 kDa. The protein migrates below 11 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 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Cxcl2
Synonyms	CXCL2; chemokine (C-X-C motif) ligand 2; C-X-C motif chemokine 2; macrophage inflammatory protein 2; small inducible cytokine subfamily, member 2; GROb; Gro2; Mip2; Scyb; MIP-2; Scyb2; MIP-2a; Mgsa-b; CINC-2a;
Gene ID	20310
mRNA Refseq	NM_009140

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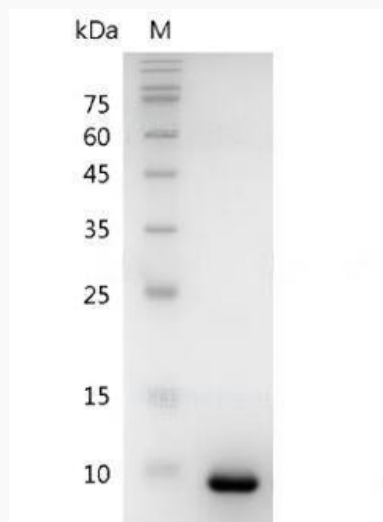
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Protein Refseq NP_033166

UniProt ID P10889

SDS-PAGE analysis
of recombinant
mouse CXCL2.



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