# Recombinant Mouse CXCL2 Protein

**Cat. No.** CXCL2-65M **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Mouse CXCL2 Protein without tag was expressed in E. coli. |
| **Species** | Mouse |
| **Source** | E.coli |
| **Description** | Macrophage Inflammatory Protein 2 (MIP-2), also known as CXCL2, is a small cytokine that is secreted by monocytes and neutrophils at sites of inflammation. MIP-2 functions through the chemokine receptor CXCR2 to act as a chemotactic agent for leukocytes and hematopoietic cells. |
| **Bio-activity** | No biological activity data is available at this time. |
| **Molecular Mass** | Monomer, 7.9 kDa (73 aa) |
| **AA Sequence** | AVVASELRCQCLKTLPRVDFKNIQSLSVTPPGPHCAQTEVIATLKGGQKVCLDPEAP LVQKIIQKILNKGKAN |
| **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.<br>1 month when stored at 4 centigrade after reconstituting as directed.<br>3 months when stored at -20 to -80 centigrade after reconstituting as directed. |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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| **Storage** | Storage Prior to Reconstitution: -20 centigrade |
| **Storage Buffer** | Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5 |
| **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

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| **Gene Name** | Cxcl2 chemokine (C-X-C motif) ligand 2 [ Mus musculus (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 |
| **Protein Refseq** | NP_033166 |
| **UniProt ID** | P10889 |

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