# Recombinant Mouse Cxcl1 protein, His-tagged

**Cat. No.** Cxcl1-529M **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Mouse Cxcl1 (P12850) fused with His tag was produced in HEK293F cells. |
| **Species** | Mouse |
| **Source** | HEK293 |
| **Description** | This gene encodes a protein that is a member of the CXC subfamily of chemokines. Chemokines, which recruit and activate leukocytes, are classified by function (inflammatory or homeostatic) or by structure. This secretory protein is proposed to bind the G-protein coupled receptor chemokine (C-X-C motif) receptor 2 to recruit neutrophils. In mouse, deficiency of this gene is associated with colitis and with defects in immune cell recruitment to the lung. |
| **Form** | Freeze-dried powder |
| **Endotoxin** | <1.0EU per 1ug (determined by the LAL method) |
| **Purity** | > 97% |
| **Applications** | Positive Control; Immunogen; SDS-PAGE; WB.<br>If bio-activity of the protein is needed, please check active protein. |
| **Stability** | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, |

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| | and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| **Storage** | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| **Storage buffer** | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300. |
| **Reconstitution** | Reconstitute in PBS or others. |

## GENE INFORMATION

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| **Gene Name** | Cxcl1 chemokine (C-X-C motif) ligand 1 [ Mus musculus (house mouse) ] |
| **Official Symbol** | Cxcl1 |
| **Synonyms** | Cxcl1; chemokine (C-X-C motif) ligand 1; KC; Fsp; N51; gro; Gro1; Mgsa; Scyb1; growth-regulated alpha protein; C-X-C motif chemokine 1; GRO1 oncogene; KC/GR)-alpha; KC/GRO-alpha; alpha-chemokine; platelet-derived growth factor-inducible protein KC; secretory protein N51 |
| **Gene ID** | 14825 |
| **mRNA Refseq** | NM_008176.3 |
| **Protein Refseq** | NP_032202.1 |
| **UniProt ID** | P12850 |

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