

## Active Recombinant Cotton Rat Cxcl2

**Cat. No.** Cxcl2-395C    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Cotton Rat Cxcl2 (Accession # AAL26705) Ala29-Asn101 was produced in E. coli-derived.                                                                                             |
| <b>Species</b>              | Cotton Rat                                                                                                                                                                                    |
| <b>Source</b>               | E.coli                                                                                                                                                                                        |
| <b>ProteinLength</b>        | 29-101 a.a.                                                                                                                                                                                   |
| <b>Predicted N Terminal</b> | Ala29                                                                                                                                                                                         |
| <b>Form</b>                 | Lyophilized from a 0.2 μ filtered solution in PBS with BSA as a carrier protein.                                                                                                              |
| <b>Bio-activity</b>         | Measured by its ability to chemoattract BaF3 mouse pro-B cells transfected with human CXCR2.The ED50 for this effect is typically 3 - 15 ng/mL.                                               |
| <b>Molecular Mass</b>       | Recombinant Cotton Rat Cxcl2 has a calculated MW of 8.0 kDa.                                                                                                                                  |
| <b>Purity</b>               | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                   |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C). |
| <b>Reconstitution</b>       | Reconstitute at 25 μg/mL in sterile PBS containing at least 0.1% human or bovine                                                                                                              |

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serum albumin.

## GENE INFORMATION

|                            |                                                                                                                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | Cxcl2 chemokine (C-X-C motif) ligand 2 [ <i>Rattus norvegicus</i> (Norway rat) ]                                                                                                                                             |
| <b>Official Symbol</b>     | Cxcl2                                                                                                                                                                                                                        |
| <b>Synonyms</b>            | Cxcl2; chemokine (C-X-C motif) ligand 2; Mip-2; Scyb2; C-X-C motif chemokine 2; CINC-3; MIP2; cytokine-induced neutrophil chemoattractant 3; macrophage inflammatory protein 2; small inducible cytokine subfamily, member 2 |
| <b>Gene ID</b>             | 114105                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>         | NM_053647                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>      | NP_446099                                                                                                                                                                                                                    |
| <b>MIM</b>                 |                                                                                                                                                                                                                              |
| <b>UniProt ID</b>          | P30348                                                                                                                                                                                                                       |
| <b>Chromosome Location</b> | 14p22                                                                                                                                                                                                                        |

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