

## CXCL1 active protein

Recombinant Rat CXCL1

CATALOG #  
**AAA214340**

HOST  
**E Coli**

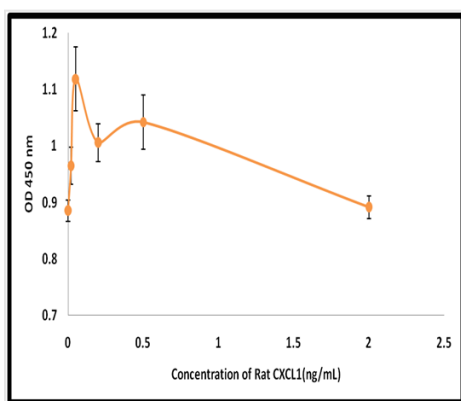
### PRODUCT SYNONYMS

CXCL1; Recombinant Rat CXCL1; C-X-C motif chemokine 1; Cytokine-induced neutrophil chemoattractant 1; CINC-1; Platelet-derived growth factor-inducible protein KC; Cinc1; Gro; Scyb1; Recombinant Rat Growth-Regulated Alpha Protein (CXCL1); CXCL1 active protein

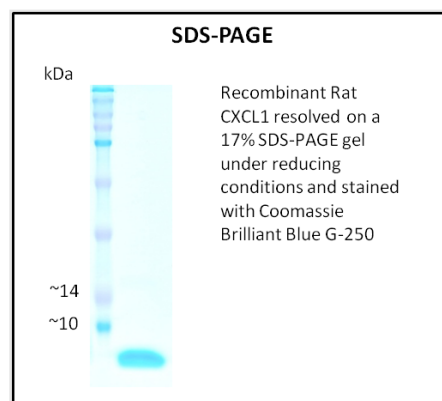
### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli                                                                                                                                                                                                                                                                                                                              |
| Purity/Purification     | >95% as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                      |
| Form/Format             | Lyophilized from a 0.2 um filtered solution in PBS pH 7.4.                                                                                                                                                                                                                                                                          |
| Sequence Length         | 96                                                                                                                                                                                                                                                                                                                                  |
| Bioactivity             | The ED(50) was determined by the dose-dependent proliferation of Ovar3 cells and was found to be <0.05ng/mL.                                                                                                                                                                                                                        |
| Endotoxin Level         | <1.0 EU/ug of recombinant protein as determined by the LAL method.                                                                                                                                                                                                                                                                  |
| Reconstitution          | A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.                                                                                                                                                            |
| Preparation and Storage | The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles. |

### IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CXCL1 active protein | Growth regulated oncogene-alpha belongs to the family of chemotytic cytokines called chemokines. It is identical with MGSA (melanoma growth stimulatory activity) and the new designation is CXCL1. This factor is known mainly because of its chemotactic activity. GRO expression is inducible by serum or PDGF and/or by a variety of inflammatory mediators, such as IL-1 and TNF, in monocytes, fibroblasts, melanocytes and epithelial cells. In certain tumor cell lines, GRO is expressed constitutively. Similar to other alpha chemokines, the three GRO proteins are potent neutrophil attractants and activators. In addition, these chemokines are also active toward basophils. All three GROs can bind with high affinity to the IL-8 receptor type B. |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                |
|----------------------------------|--------------------------------|
| NCBI GI #                        | 13540652                       |
| NCBI GeneID                      | 81503                          |
| NCBI Accession #                 | NP_110472.1                    |
| NCBI GenBank Nucleotide #        | NP_110472.1                    |
| UniProt Accession #              | P14095                         |
| Molecular Weight                 | 8.0 kDa                        |
| NCBI Official Full Name          | growth-regulated alpha protein |
| NCBI Official Synonym Full Names | C-X-C motif chemokine ligand 1 |
| NCBI Official Symbol             | Cxcl1                          |
| NCBI Official Synonym Symbols    | Gro1; CINC-1                   |
| NCBI Protein Information         | growth-regulated alpha protein |
| UniProt Protein Name             | Growth-regulated alpha protein |
| UniProt Gene Name                | Cxcl1                          |
| UniProt Synonym Gene Names       | Cinc1; Gro; Scyb1; CINC-1      |
| UniProt Entry Name               | GROA_RAT                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/e-coli-active-protein/cxcl1/214340>