

## 32-7641: Recombinant Mouse C-X-C Motif Chemokine 1/CXCL1/GRO $\alpha$ (C-6His)

**Gene :** Cxcl1  
**Gene ID :** 14825  
**Uniprot ID :** P12850

### Description

Source: Human Cells.  
MW :9.4kD.

Recombinant Mouse C-X-C motif chemokine 1 is produced by our Mammalian expression system and the target gene encoding Arg20-Lys96 is expressed with a 6His tag at the C-terminus. Cxcl1, also called Gro, Gro1, Mgsa or Scyb1, is short for growth-regulated alpha protein. The protein belongs to the intercrine alpha (chemokine CxC) family. The N-terminal processed form KC(5-72) of the protein is produced by proteolytic cleavage after secretion from bone marrow stromal cells, and shows a highly enhanced hematopoietic activity. Cxcl1 has chemotactic activity for neutrophils, and contributes to neutrophil activation during inflammation. Hemateregulatory chemokine, in vitro, suppresses hematopoietic progenitor cell proliferation.

### Product Info

**Amount :** 10  $\mu$ g / 50  $\mu$ g  
**Content :** Lyophilized from a 0.2  $\mu$ m filtered solution of PBS,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** RLATGAPIANELRCQCLQTMAGIHLKNIQSLKVLPSGPHCTQTEVIATLKNGREACLDPEAPLVQKIVQKMLKGV  
PKVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100  $\mu$ g/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.