

32-7641: Recombinant Mouse C-X-C Motif Chemokine 1/CXCL1/GRO α (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. Hematopoietic chemokine, in vitro, suppresses hematopoietic progenitor cell proliferation.

Product Info

Amount : 10 μ g / 50 μ g
Content : Lyophilized from a 0.2 μ 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 : RLATGAPIANELRCQCLQTMAGIHLKNIQSLKVLPSGPHCTQTEVIATLKNGREACLDPEAPLVQKIV
QKMLKGVPKVDHHHHHH

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 μ g/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.