

GRO- α /CXCL1 (C-6His), Mouse, Recombinant

Cat. No. : PCK234

General Information

Synonyms	Growth-regulated alpha Protein;C-X-C Motif Chemokine 1;Platelet-Derived Growth Factor-inducible Protein KC;Secretory Protein N51;Cxcl1;Gro;Gro1;Mgsa;Scyb1
Species	Mouse
Expression host	Human Cells
Sequence	Arg20-Lys96
Accession	P12850
Tag	C-6His
Mol mass	9.4 kDa
Expiration date	12 months

Product feature

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4.
Reconstitution	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 sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Background

Growth-regulated alpha Protein (CXCL1,KC), is a member of the alpha Chemokine subfamily, was initially identified as an immediate early gene induced in mouse fibroblasts by platelet-Derived Growth Factor. 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. Mouse KC shows approximately 63% identity to that of mouse MIP-2. KC is also approximately 60% identical to the human GROs. It has been suggested that mouse KC and MIP-2 are the orthologs of the human GROs and rat CINC_s. Cxcl1 has chemotactic activity for neutrophils, and contributes to neutrophil activation during inflammation. Hematoregulatory Chemokine, in vitro, suppresses hematopoietic progenitor cell proliferation.

SDS-PAGE

