

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

Cat. No. : PCK119

General Information

Synonyms	Growth-Regulated Alpha Protein;C-X-C Motif Chemokine 1;GRO-Alpha (1-73);Melanoma Growth Stimulatory Activity;MGSA;Neutrophil-Activating Protein 3;NAP-3;CXCL1;GRO;GRO1;GROA;MGSA;SCYB1
Species	Human
Expression host	Human Cells
Sequence	Ala35-Asn107
Accession	P09341
Tag	C-6His
Mol mass	8.9 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 20 mM PB, 150 mM NaCl, 5% Trehalose, 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

Chemokine (C-X-C Motif) Ligand 1 Protein (CXCL1) is a Growth Factor for melanoma cells and a chemotaxin for neutrophils and a member of the CXC Chemokine family that is a potent neutrophil attractant and activator and is also active toward basophils. CXCL1 is expressed by macrophages, neutrophils and epithelial cells; it has neutrophil chemoattractant activity. CXCL1 plays a critical nonredundant role in the development of experimental Lyme arthritis and carditis via CXCR2-mediated recruitment of neutrophils into the site of infection and may also have important pro-nociceptive effects via its direct actions on sensory neurons, and may induce long-term changes that involve Protein synthesis.

SDS-PAGE

