



CXCL1/GRO

E21-597

Catalog Number:E21-597**Amount:**10ug

Alternative: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

Storage/Stability: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.

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.

Species:Human

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

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

Purity:Greater than 95% as determined by reducing SDS-PAGE.

Description:Recombinant Human C-X-C Motif Chemokine 1 is produced by our Mammalian expression system and the target gene encoding Ala35-Asn107 is expressed with a 6His tag at the C-terminus.

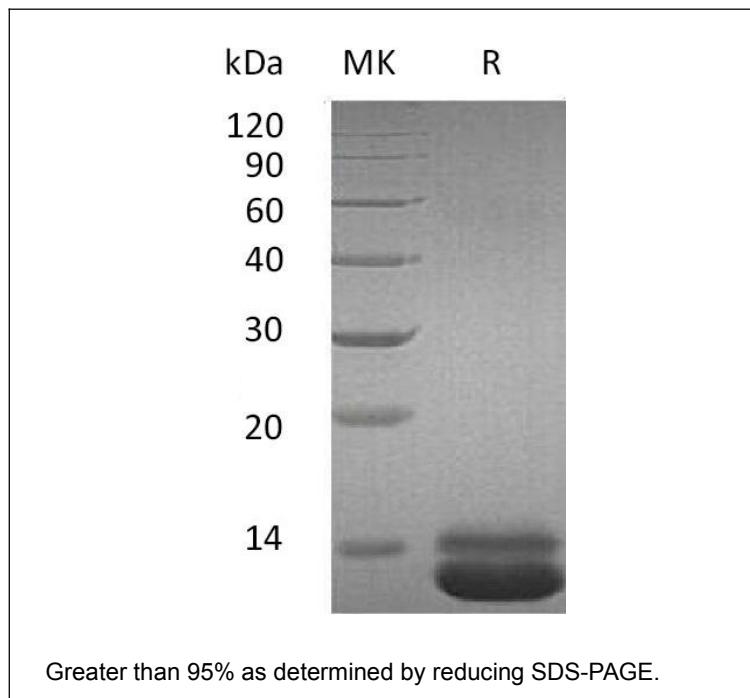
Product State:Lyophilized

Ship Description:The product is shipped at ambient temperature.

Formulation:Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 5% Trehalose, pH 7.4.

Expression system:Human cells

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