

GRO-alpha/CXCL1 Protein, Human (His)

Cat. No.:	HY-P700558
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
Source:	E. coli
Accession:	P09341 (A35-N107)
Gene ID:	2919
Molecular Weight:	11.9 kDa

PROPERTIES

AA Sequence	<p>A S V A T E L R C Q C L Q T L Q G I H P K N I Q S V N V K S P G P H C A Q T E V</p> <p>I A T L K N G R K A C L N P A S P I V K K I I E K M L N S D K S N</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	GRO-alpha/CXCL1 protein exhibits chemotactic activity for neutrophils and may play a role in inflammation, exerting its effects on endothelial cells in an autocrine fashion. In vitro studies indicate that processed forms of GRO-alpha, namely GRO-alpha(4-73), GRO-alpha(5-73), and GRO-alpha(6-73), display a significantly enhanced chemotactic activity, being 30-fold higher compared to the full-length protein.
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Caution: Product has not been fully validated for medical applications. For research use only.

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