

## Overview

<b>Synonyms</b>	Growth Regulated Protein/Melanoma Growth Stimulatory Activity, GRO ±, MGSA ±, CXCL1, NAP-3, GRO1, KC (murine) CINC (rat)
<b>Description</b>	<b>GRO/MGSA/CXCL1</b> has chemotactic activity for neutrophils. It may play a role in inflammation and exerts its effects on endothelial cells in an autocrine fashion. All three isoforms of GRO are CXC chemokines that can signal through the CXCR1 or CXCR2 receptors. GRO expression is inducible by serum or PDGF and/or by a variety of inflammatory mediators, such as IL-1 and TNF, in monocytes, fibroblasts, melanocytes and epithelial cells. In certain tumor cell lines, GRO is expressed constitutively.
<b>Accession No</b>	P09341
<b>Species</b>	Human
<b>Source</b>	CHO
<b>Biological Activity</b>	Active, measured in a functional assay using HUVEC cells.
<b>Sequence</b>	ASVATELRQC CLQTLQGIHP KNIQSVNVKS PGPHCAQTEV IATLKNGRKA CLNPASPIVK KII EKMLNSD KSN

## Properties

<b>Measured Molecular Weight</b>	~7.8 kDa, observed by reducing SDS-PAGE.
<b>Purity</b>	> 95% as analyzed by SDS-PAGE.
<b>Formulation</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 µg/ml.
<b>Endotoxin Level</b>	< 0.2 EU/µg, determined by LAL method.
<b>Storage</b>	Lyophilized recombinant <b>Human GRO/MGSA/CXCL1</b> remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human GRO/MGSA/CXCL1 should be stable up to 1 week at 4°C or up to 2 months at -20°C.
<b>Note</b>	For research use only

India Contact:

**Life Technologies (India) Pvt. Ltd.**

306, Aggarwal City Mall, Opposite M2K Pitampura,  
Delhi – 110034 (INDIA).

Mobile: +91-9810521400, Ph: +91-11-42208000

Email: [customerservice@lifetechindia.com](mailto:customerservice@lifetechindia.com)

Web: [www.lifetechindia.com](http://www.lifetechindia.com)