9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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GRO a Human, His

GRO-Alpha/MGSA Human Recombinant (CXCL1), His Tag
CHK0051

Product Overview

Name	GRO a Human, His

Description

GRO-Alpha/MGSA Human Recombinant (CXCL1), His Tag

Accession (Primary)	P09341

Synonyms

Growth-regulated protein alpha, CXCL1, Melanoma growth stimulatory activity, MGSA, Neutrophil-activating protein 3, NAP-3, GRO-alpha(1-73), chemokine (C-X-C motif) ligand 1, GRO1, GROa, SCYB1, MGSA-a, MGSA alpha.

Introduction

Chemokine (C-X-C motif) ligand 1 (CXCL1) is a small cytokine belonging to the CXC chemokine family that was previously called GRO1 oncogene, Neutrophil-activating protein 3 (NAP-3) and melanoma growth stimulating activity, alpha (MSGA-?). It is secreted by human melanoma cells, has mitogenic properties and is implicated in melanoma pathogenesis. CXCL1 is expressed by macrophages, neutrophils and epithelial cells, and has neutrophil chemoattractant activity. CXCL1 plays a role in spinal cord development by inhibiting the migration of oligodendrocyte precursors and is involved in the processes of angiogenesis, inflammation, wound healing, and tumorigenesis. This chemokine elicits its effects by signaling through the chemokine receptor CXCR2. The gene for CXCL1 is located on human chromosome 4 amongst genes for other CXC chemokines.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

CXCL1 in 20mM Tris-HCL pH-8 and 10% glycerol.

Stability

Liquid CXCL1 although stable at 10°C for 1 week, should be stored below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

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MGSSHHHHHH SSGLVPRGSH MASVATELRC QCLQTLQGIH PKNIQSVNVK SPGPHCAQTE VIATLKNGRK ACLNPASPIV KKIIEKMLNS DKSN.

Precautions

GRO a Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P09341)