

GRO-alpha Recombinant Protein | GRO a recombinant protein

Recombinant Human GRO-alpha (CXCL1), His Tag

CATALOG # AAA38754	HOST E Coli
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PRODUCT SYNONYMS

GRO-alpha; Recombinant Human GRO-alpha (CXCL1); His Tag; GRO a Human; His; GRO-Alpha/MSGSA Human Recombinant (CXCL1); Growth-regulated protein alpha; CXCL1; Melanoma growth stimulatory activity; MSGSA; Neutrophil-activating protein 3; NAP-3; GRO-alpha(1-73); chemokine (C-X-C motif) ligand 1; GRO1; GROa; SCYB1; MSGSA-a; MSGSA alpha; GRO a; GRO a recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	CXCL1 in 20mM Tris-HCL pH-8 and 10% glycerol. Sterile Filtered colorless solution.
Sequence	MGSSHHHHHH SSGLVPRGSH MASVATELRC QCLQTLQGIH PKNIQSVNVK SPGPHCAQTE VIATLKNGRK ACLNPAPIV KKIIEKMLNS DKS N
Sequence Length	107
Preparation and Storage	Liquid CXCL1 although stable at 10 degree C for 1 week, should be stored below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for GRO a recombinant protein	Description: CXCL1 Human Recombinant produced in E Coli is a single,non-glycosylated, polypeptide chain containing 94 amino acids (35-107) and having a molecular mass of 10.1 kDa. The CXCL1 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. 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 (MSGSA-?). 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.
Product Categories/Family for GRO a recombinant protein	Chemokines; GRO

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504153
NCBI GeneID	2919
NCBI Accession #	NP_001502.1
NCBI GenBank Nucleotide #	NM_001511.3
UniProt Accession #	P09341; Q9UCR7

Molecular Weight	11,301 Da
NCBI Official Full Name	growth-regulated alpha protein
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
NCBI Official Symbol	CXCL1
NCBI Official Synonym Symbols	FSP; GRO1; GROa; MGSA; NAP-3; SCYB1; MGSA-a
NCBI Protein Information	growth-regulated alpha protein; C-X-C motif chemokine 1; GRO-alpha(1-73); GRO1 oncogene (melanoma growth stimulating activity, alpha); GRO1 oncogene (melanoma growth-stimulating activity); MGSA alpha; fibroblast secretory protein; melanoma growth stimulatory activity alpha; neutrophil-activating protein 3
UniProt Protein Name	Growth-regulated alpha protein
UniProt Gene Name	CXCL1
UniProt Synonym Gene Names	GRO; GRO1; GROA; MGSA; SCYB1; MGSA; NAP-3
UniProt Entry Name	GROA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/cxcl1-recombinant-protein-e-coli/38754>