

CXCL1 active protein

Recombinant Human CXCL1

CATALOG #
AAA214223

HOST
E Coli

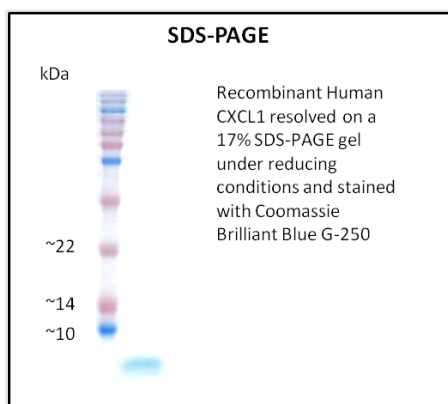
PRODUCT SYNONYMS

CXCL1; Recombinant Human CXCL1; Growth Regulated Protein; Melanoma Growth Stimulatory Activity; GRO-alpha; MGSA-alpha; NAP-3; GRO1; C-X-C motif chemokine 1; GRO-alpha(1-73); Recombinant Human Growth Regulated Alpha Protein (CXCL1); CXCL1 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in 40 mM NaCl and PB, pH 7.0
Sequence Length	107
Bioactivity	Determined by the ability to chemoattract human neutrophils using a concentration range of 10.0-50.0 ng/mL
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Species	Human (Homo sapiens)
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	Store at -70°C. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid multiple freeze/thaw cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for CXCL1 active protein	A chemokine, the growth regulated oncogene-alpha is identical with MGSA (melanoma growth stimulatory activity) with its new designation being CXCL1. The expression of GRO can be induced 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. Similar to other alpha chemokines, the three GRO proteins are potent neutrophil attractants and activators. In addition, these chemokines are also active toward basophils. All three GROs can bind with high affinity to the IL-8 receptor type B.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504153
NCBI GeneID	2919
NCBI Accession #	NP_001502.1
NCBI GenBank Nucleotide #	NP_001502.1
UniProt Accession #	P09341
Molecular Weight	8 kDa
NCBI Official Full Name	growth-regulated alpha protein
NCBI Official Synonym Full Names	C-X-C motif chemokine ligand 1
NCBI Official Symbol	CXCL1
NCBI Official Synonym Symbols	FSP; GRO1; GROa; MGSA; NAP-3; SCYB1; MGSA-a
NCBI Protein Information	growth-regulated alpha protein
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.