

Product datasheet for **TP723148**

GRO alpha (CXCL1) (NM_001511) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha) (CXCL1).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	ASVATELRQC CLQTLQGIHP KNIQSVNVKS PGPHCAQTEV IATLKNRKA CLNPASPIVK KIIKMLNSD KSN
Tag:	Tag Free
Predicted MW:	7.8 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by its ability to chemoattract human neutrophils using a concentration range of 10.0-50.0 ng/ml.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_001502
Locus ID:	2919
UniProt ID:	P09341
RefSeq Size:	1184
Cytogenetics:	4q13.3
RefSeq ORF:	321
Synonyms:	FSP; GRO1; GROa; MGSA; MGSA-a; NAP-3; SCYB1



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Summary:

This antimicrobial gene encodes a member of the CXC subfamily of chemokines. The encoded protein is a secreted growth factor that signals through the G-protein coupled receptor, CXC receptor 2. This protein plays a role in inflammation and as a chemoattractant for neutrophils. Aberrant expression of this protein is associated with the growth and progression of certain tumors. A naturally occurring processed form of this protein has increased chemotactic activity. Alternate splicing results in coding and non-coding variants of this gene. A pseudogene of this gene is found on chromosome 4. [provided by RefSeq, Sep 2014]

Protein Families:

Druggable Genome, Secreted Protein

Protein Pathways:

Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Epithelial cell signaling in Helicobacter pylori infection, NOD-like receptor signaling pathway

Product images: