

Product datasheet for TP301992

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), full length, with C-terminal MYC/DDK tag expressed in HEK293T cells, 20 ug
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201992 protein sequence Red=Cloning site Green=Tags(s)
	MARAALSAAPSNPRLLRVALLLLLLVAAGRRRAAGASVATELRCQCLQTLQGIHPKNIQSVNVKSPGPHCA QTEVIATLKNRKAACLNPA SPIVKKIIEKMLNSDKSN
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	11.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate Bradford method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25mM Tris.HCl, pH7.3, 100mM glycine, 10% glycerol.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for at least 1 year from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
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:

Coomassie blue staining of purified CXCL1 protein (Cat #TP301992). The protein was produced from mammalian cells transfected with CXCL1 cDNA clone (Cat #[RC201992]).