

Product datasheet for **TP723149**

GRO beta (CXCL2) (NM_002089) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human chemokine (C-X-C motif) ligand 2 (CXCL2).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	APLATELRCQ CLQTLQGIHL KNIQSVKVKVKS PGPHCAQTEV IATLKNGQKA CLNPASPMVK KII EKMLKNG KSN
Tag:	Tag Free
Predicted MW:	7.9 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by its ability to chemoattract CXCR2 transfected 293 cells using a concentration range of 10.0-100.0 ng/ml.
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_002080
Locus ID:	2920
UniProt ID:	P19875 , A0A024RDD9
RefSeq Size:	1234
Cytogenetics:	4q13.3
RefSeq ORF:	321
Synonyms:	CINC-2a; GRO2; GROb; MGSA-b; MIP-2a; MIP2; MIP2A; SCYB2



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Summary: This antimicrobial gene is part of a chemokine superfamily that encodes secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CXC subfamily, is expressed at sites of inflammation and may suppress hematopoietic progenitor cell proliferation. [provided by RefSeq, Sep 2014]

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Chemokine signaling pathway, Cytokine-cytokine receptor interaction, NOD-like receptor signaling pathway

Product images:

