

Product datasheet for **TP720606M**

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:	Thr39-Asn107
Tag:	Tag Free
Predicted MW:	7.67 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH ₂ O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
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