

Product datasheet for **TP723792**

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 / Grobeta)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Human CXCL2, the region of Thr39-Asn107, from gene Accession# NM_002089.3
Tag:	Tag Free
Predicted MW:	7.5 kDa
Concentration:	lot specific
Purity:	>98%, as determined by Coomassie stained SDS-PAGE.
Buffer:	1 x PBS
Bioactivity:	Bioactivity was measured by its property to chemoattract human neutrophils in a dose dependent manner.
Endotoxin:	Less than 0.01 ng per µg protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
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