

Product datasheet for SC118823

GRO beta (CXCL2) (NM_002089) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRO beta (CXCL2) (NM_002089) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRO beta
Synonyms:	CINC-2a; GRO2; GROb; MGSA-b; MIP-2a; MIP2; MIP2A; SCYB2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC118823 representing NM_002089. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCCGCGCCACGCTCTCCGCCGCCAGCAATCCCCGGCTCCTGCGGGTGGCGCTGCTGCTCCTG
CTCCTGGTGGCCGCCAGCCGGCGCGCAGCAGGAGCGCCCTGGCCACTGAACTGCGCTGCCAGTGCCTG
CAGACCCTGCAGGGAATTCACCTCAAGAACATCCAAAGTGTGAAGGTGAAGTCCCCGGACCCACTGC
GCCAAACCGAAGTCATAGCCACACTCAAGAATGGGCAGAAAGCTTGTCTCAACCCGCATGCCCATG
GTTAAGAAAATCATCGAAAAGATGCTGAAAATGGCAAATCCAAC TGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_002089
Insert Size:	324 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_002089.3](#)

RefSeq Size: 1234 bp

RefSeq ORF: 324 bp

Locus ID: 2920

UniProt ID: [P19875](#)

Cytogenetics: 4q13.3

Domains: IL8

Protein Families: Druggable Genome, Secreted Protein

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

MW: 11.4 kDa

Gene 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]