

## Product datasheet for SC122617

### GRO gamma (CXCL3) (NM\_002090) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GRO gamma (CXCL3) (NM_002090) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRO gamma
Synonyms:	CINC-2b; GRO3; GROg; MIP-2b; MIP2B; SCYB3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_002090 edited  
 GGGGACACAGCCCGGGTTCGACAGGCACCTCCCCGCCAGCTCTCCCCGTTCTCGCACAGCTT  
 CCCGACGCGTCTGCTGAGCCCCATGGCCACGCCACGCTCTCCGCCGCCCCAGCAATCC  
 CCGGCTCCTGCGGGTGGCGCTGCTGCTCCTGCTCCTGGTGGCCGCCAGCCGGCGCCAGC  
 AGGAGCGTCCGTGGTCACTGAACTGCGCTGCCAGTGCTTGCAGACACTGCAGGAATTCA  
 CCTCAAGAACATCCAAAGTGTGAATGTAAGTCCCCGGACCCCACTGCGCCAAACCGA  
 AGTCATAGCCCACTCAAGAATGGGAAGAAAGCTTGTCTCAACCCCGCATCCCCATGGT  
 TCAGAAAATCATCGAAAAGATACTGAACAAGGGGAGCACCAACTGACAGGAGAGAAGTAA  
 GAAGCTTATCAGCGTATCATTGACACTTCTGCAGGGTGGTCCCTGCCCTTACCAGAGCT  
 GAAAATGAAAAGAGAACAGCAGCTTTCTAGGGACAGCTGAAAAGGACTTAATGTGTTTG  
 ACTATTTCTTACGAGGGTCTACTTATTTATGTATTTATTTTGAAGCTTGTATTTTAA  
 TATTTTACATGCTGTTATTTAAAGATGTGAGTGTGTTTATCAAACATAGCTCAGTCCTG  
 ATTATTTAATTGGAATATGATGGGTTTTAAATGTGTCATTAAACTAATATTTAGTGGGAG  
 ACCATAATGTGTCAGCCACCTTGATAAATGACAGGGTGGGGAAGTGGAGGGTGGGGGGAT  
 TGAAATGCAAGCAATTAGTGGATCACTGTTAGGGTAAGGGAATGTATGTACACATCTATT  
 TTTTATACTTTTTTTAAAAAAGAAATGTCAGTTGTTATTTTCAAATTATCTCACATT  
 ATGTGTTCAACATTTTTATGCTGAAGTTCCCTTAGACATTTTATGTCTTGCTTGTAGGG  
 CATAATGCCTTGTAAATGTCCATTCTGCAGCGTTTTCTTTCCCTTGGAAAAGAGAAT  
 TTATCATTACTGTTACATTTGTACAAATGACATGATAATAAAAGTTTTATGCAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_002090 unedited TTGGATTTTGTAAATACGACTGCACTATAGGGCGGCCGGAATTCGGCCATTACGGCCGGG GACACAGCCCGGGTGCAGGCACCTCCCCGCCAGCTCTCCCGTTCTCGCACAGCTTCCC GACGCGTCTGCTGAGCCCATGGCCACGCCAGCTCTCCGCCGCCAGCAATCCCCG GCTCCTGCGGGTGGCGTGTCTCTGCTCCTGGTGGCCGAGCCGGCGCGCAGCAAG AGCGTCCGTGGTCACTGAACTGCGTGCCAGTGCTTGCAGACACTGCAGGGAATCACCT CAAGAACATCCAAGTGTGAATGTAAGGTCCCCGGACCCCACTGCGCCCAAACCGAAGT CATAGCCCACTCAAGAATGGGAAGAAAGCTTGTCTCAACCCGCATCCCCCATGGTTCA GAAAATCATCGAAAAGATACTGAACAAGGGGAGCACCAACTGACAGGAGAGAAAGTAAAGAA GCTTATCAGCGTATCATTGACACTTCTGCAGGGTGGTCCCTGCCCTTACCAGAGCTGAA AATGAAAAGAGAACAGCAGCTTTCTAGGGACAGCTGGAAGGACTTAATGTGTTTGACT ATTTCTTACGAGGGTTCTACTTATTTATGTATTTATTTTAAAGCCTGTATTTAATAT TTTACATGCTNGTATTTAAAGATGTGAGTGTGTTTCATCAAACATAGCTCAGTCTGATT ATTTAATTGGAATATGATGGGTTTTAAATGTGTCATTAATAANTTAGTGGGAGACC CATATGTGTCAGCCACCTTGATAAATGACAGGGTGGGGAACTGGAGGGTGGGGGATTG AAATGCAAGCAAATAATGGATCACTGTNTAGGGTAGGAAATGATTGTACATCTATTTT TATACCTNTTTTTAAAAAGAATGTCAGGTGGTATTTATTACAATTATCTCACTTAT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_002090
<b>Insert Size:</b>	1102 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_002090.2</a> , <a href="#">NP_002081.2</a>
<b>RefSeq Size:</b>	1166 bp
<b>RefSeq ORF:</b>	324 bp
<b>Locus ID:</b>	2921
<b>UniProt ID:</b>	<a href="#">P19876</a>
<b>Cytogenetics:</b>	4q13.3
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Chemokine signaling pathway, Cytokine-cytokine receptor interaction

**Gene 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. [provided by RefSeq, Sep 2014]