

## Product datasheet for **SC118268**

### GCP2 (CXCL6) (NM\_002993) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GCP2 (CXCL6) (NM_002993) Human Untagged Clone
Tag:	Tag Free
Symbol:	GCP2
Synonyms:	CKA-3; GCP-2; GCP2; SCYB6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118268 sequence for NM_002993 edited (data generated by NextGen Sequencing) ATGAGCCTCCCGTCCAGCCGCGCGGCCCGTGTCCCGGGTCTTCGGGCTCCTTGTGCGCG CTGCTCGCGCTGCTGCTCCTGCTGACGCCGCGGGGCCCTCGCCAGCGCTGGTCTGTC TCTGCTGTGCTGACAGAGCTGCGTTGCACTTGTTTACGCGTTACGCTGAGAGTAAACCCC AAAACGATTGGTAAACTGCAGGTGTTCCCGCAGGCCCGCAGTGCTCCAAGGTGGAAGTG GTAGCCTCCCTGAAGAACGGAAGCAAGTTTGTCTGGACCCGGAAGCCCCTTTTCTAAAG AAAGTCATCCAGAAAATTTGGACAGTGGAACAAGAAAACTGA

Clone variation with respect to NM\_002993.3



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_002993 unedited NGGGTCAGAATTGTATACGACTCATATAGGCGGCCGCTCCAGTCTCCGCGCTCCACC CAGCTCAGGAACCCGCGAACCCCTCTTTGACCACTATGAGCCTCCCGTCCAGCCGCGCG CCCGTGTCCCGGGTCTTCGGGCTCCTTGTCGCGCTGCTCGCGTGTGCTCCTGCTGA CGCCGCCGGGGCCCTCGCCAGCGCTGGTCTGTCTGTGCTGTGCTGACAGAGCTGCGTT GCACTTGTTTACGCGTTACGCTGAGAGTAAACCCAAAACGATTGGTAACTGCAGGTGT TCCCCGACGCCCGCAGTGTCCAAGGTGGAAGTGGTAGCCTCCCTGAAGAACGGGAAGC AAGTTTGTCTGGACCCGGAAGCCCTTTTCTAAAGAAAGTCATCCAGAAAATTTGGACA GTGAAAACAAGAAAACTGAGTAACAAAAAAGACCATGCATCATAAAAATTGCCAGTCTT CAGCGGAGCAGTTTTCTGGAGATCCCTGGACCCAGTAAGAATAAGAAGGAAGGGTTGGTT TTTTTCCATTTTCTACATGGATTCCTACTTTGAAGAGTGTGGGGAAAGCCTACGCTTC TCCCTGAAGTTTACAGCTCAGCTAATGAAGTAAATATAGTATTTCCACTATTTACTGT TATTTTACCTGATAAGTTATTGAACCCTTGGCAATTGACCATATTGTGAGCAAAGAATC ACTGGTTATTAGTCTTTTATGAATATTGAATTGAAGATACTATTGATTTCTATCATACA TTCCTTAAAGTCTTACCGAANAGCTGTGGNATTTTCGATGAAAATATGGTTNATTTAGTG TGCTGGNTGAGGGAGGTATCCTGTTGNTCTTACTCACTTCTCATAAATAGAAAAATAT TTAAGNTCTGGTTCTGGGGGAATATGNTACTCTTACCCTAGATGTCATNTAAN
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_002993
<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_002993.2</a> , <a href="#">NP_002984.1</a>
<b>RefSeq Size:</b>	1539 bp
<b>RefSeq ORF:</b>	345 bp
<b>Locus ID:</b>	6372
<b>UniProt ID:</b>	<a href="#">P80162</a>
<b>Cytogenetics:</b>	4q13.3
<b>Domains:</b>	IL8
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Chemokine signaling pathway, Cytokine-cytokine receptor interaction

**Gene Summary:**

The protein encoded by this gene is a member CXC chemokine family. The encoded protein is a chemotactic for neutrophil granulocytes and has antibacterial action against gram-negative and gram-positive bacteria. This gene and other members of the CXC chemokine gene family form a gene cluster in a region of chromosome 4q. [provided by RefSeq, Jun 2020]