

## Product datasheet for **SC111618**

### GCSF Receptor (CSF3R) (NM\_000760) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GCSF Receptor (CSF3R) (NM_000760) Human Untagged Clone
Tag:	Tag Free
Symbol:	GCSF Receptor
Synonyms:	CD114; GCSFR; SCN7
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

```
>OriGene sequence for NM_000760 edited
GAATTCGGCACGAGGCAGGGGCTGGGCCAGAGGTGCCAACATGGGGAACTGAGGCTCGG
CTCGGAAAGGTGAAGTAACTTGTCCAAGATCACAAAGCTGGTGAACATCAAGTTGGTGCT
ATGGCAAGGCTGGGAAACTGCAGCCTGACTTGGGCTGCCCTGATCATCTGCTGCTCCCC
GGAAGTCTGGAGGAGTGGGGCACATCAGTGTCTCAGCCCCATCGTCCACCTGGGGGAT
CCCATCACAGCCTCCTGCATCATCAAGCAGAAGTGCAGCCATCTGGACCCGGAGCCACAG
ATTCTGTGGAGACTGGGAGCAGAGCTTCAGCCCGGGGGCAGGCAGCAGCGTCTGTCTGAT
GGGACCCAGGAATCTATCATCACCTGCCCCACCTCAACCACACTCAGGCCTTTCTCTCC
TGCTGCCTGAACTGGGGCAACAGCCTGCAGATCCTGGACCAGGTTGAGCTGCGCGCAGGC
TACCCTCCAGCCATACCCACAACCTCTCCTGCCTCATGAACCTCACAACCAGCAGCCTC
ATCTGCCAGTGGGAGCCAGGACCTGAGACCCACCTACCCACCAGCTTCACTCTGAAGAGT
TTCAAGAGCCGGGCAACTGTCAGACCCAAGGGGACTCCATCCTGGACTGCGTGCCCAAG
GACGGGCAGAGCCACTGCTGCATCCCACGCAAACCTGCTGTTGTACCAGAATATGGGC
ATCTGGGTGCAGGCAGAGAATGCGCTGGGGACCAGCATGTCCCCAAGTGTGCTTGTAT
CCCATGGATGTTGTAACTGGAGCCCCCATGCTGCGGACCATGGACCCAGCCTGAA
GGGGCCCTCCCCAGGCAGGCTGCCTACAGCTGTGCTGGGAGCCATGGCAGCCAGGCCTG
CACATAAATCAGAAGTGTGAGCTGCGCCACAAGCCGACGCTGGAGAAGCCAGCTGGGCA
CTGGTGGGCCCCCTCCCCTTGGAGGCCCTTCAAGTATGAGCTCTGCGGGCTCCTCCAGCC
ACGGCCTACACCTGCAGATACGCTGCATCCGCTGGCCCTGCCTGGCCACTGGAGCGAC
TGGAGCCCCAGCCTGGAGCTGAGAACTACCGAACGGGCCCCCACTGTGAGACTGGACACA
TGGTGGCGGCAGAGGCAGCTGGACCCAGGACAGTGCAGCTGTTCTGGAAGCCAGTGCC
CTGGAGGAAGACAGCGGACGGATCCAAGTTATGTGTTTCTTGGAGACCCTCAGGCCAG
GCTGGGGCCATCCTGCCCTCTGCAACACCACAGAGCTCAGCTGCACCTCCACCTGCT
TCAGAAGCCCAGGAGGTGGCCCTTGTGGCCTATAACTCAGCCGGACCTCTCGCCCCACC
CCGGTGGTCTTCTCAGAAAGCAGAGGCCAGCTCTGACCAGACTCCATGCCATGGCCGA
GACCTCACAGCCTCTGGGTAGGCTGGGAGCCCCCAATCCATGGCCTCAGGGCTATGTG
ATTGAGTGGGCTGGGCCCCCAGCGGAGCAATAGCAACAAGACCTGGAGGATGGAA
CAGAATGGGAGAGCCACGGGTTTCTGCTGAAGGAGAACATCAGGCCCTTTCAGCTCTAT
GAGATCATCGTGACTCCCTTGTACCAGGACACCATGGGACCTCCAGCATGTCTATGCC
TACTCTCAAGAAATGGCTCCCTCCCATGCCCCAGAGCTGCATCTAAAGCACATTGGCAAG
ACCTGGGCACAGCTGGAGTGGGTGCCTGAGCCCCCTGAGCTGGGAAGAGCCCCCTTACC
CACTACACCATCTTCTGGACCAACGCTCAGAACCAGTCCTTCTCCGCCATCCTGAATGCC
TCTCCCGTGGCTTTGTCTCCATGGCCTGGAGCCCGCCAGTCTGTATCACATCCACCTC
ATGGCTGCCAGCCAGGCTGGGGCCACCAACAGTACAGTCTCACCTGATGACCTTGACC
CCAGAGGGGTCGGAGCTACACATCATCCTGGGCCTGTTCCGGCCTCCTGCTGTTGCTACC
TGCTCTGTGAACTGCCTGGCTCTGTTGCAGCCCCAACAGGAAGAATCCCCTCTGGCCA
AGTGTCCCAGACCCAGCTCACAGCAGCCTGGGCTCCTGGGTGCCACAATCATGGAGGAG
GATGCTTCCAGCTGCCCGGCTTGGCACGCCACCCATCACCAGCTCACAGTGTGGAG
GAGGATGAAAAGAAGCCGGTGCCTGGGAGTCCCATAACAGCTCAGAGACCTGTGGCCTC
CCCACTCTGGTCCAGACCTATGTGCTCCAGGGGACCCAAGAGCAGTTTCCACCCAGCCC
CAATCCCAGTCTGGCACCAGCGATCAGGTCCTTTATGGGAGCTGCTGGGAGCCCCACA
AGCCCAGGGCCAGGGCACTATCTCGCTGTGACTCCACTCAGCCCTCTTGGCGGGCCTC
ACCCCCAGCCCCAAGTCTATGAGAACCTCTGTTCCAGGCCAGCCCCTTGGGGACCCTG
GTAACCCAGCCCCAAGCCAGGAGGACGACTGTGCTTTGGGCCACTGCTCAACTCCCC
CTCCTGCAGGGGATCCGGTCCATGGGATGGAGGCGCTGGGGAGCTTCTAGGGCTCCTG
GGGTTCCCTTCTTGGGCCTGCCTCTTAAAGGCCTGAGCTAGCTGGAGAAGAGGGGAGGT
CCATAAGCCCATGACTAAAACTACCCAGCCCAGGCTCTCACCATCTCCAGTACCAGC
ATCTCCCTCTCCTCCCAATCTCCATAGGCTGGGCCTCCAGGCGATCTGCATACTTAAAG
GACCAGATCATGTCCATCCAGCCCCACCAATGGCCTTTTGTGCTTGTTCCTATAACT
TCAGTATTGTAAGTGTGTTTGGTTTGCAGTTTTTGTGTTTATAGACTCTTGG
GTGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTCGAC
```

**5' Read Nucleotide Sequence:**

```
>OriGene 5' read for NM_000760 unedited
NGTCAAAATTTGTATACGACTCACTATAGGGCGGCCGGAATCGGCACGAGGCAGGGGCT
GGGCCAGAGGTGCCAACATGGGNGAAACTGAGGCTCGGCTCGGAAAGGTGAAGTAACTTG
TCCAAGATCACAAAGCTGGTGAACATCAAGTTGGTGCTATGGCAAGGCTGGGAACTGCA
GCCTGACTTGGGCTGCCCTGATCATCTGCTGCTCCCCGGAAGTCTGGAGGAGTGCGGGC
ACATCAGTGTCTCAGCCCCATCGTCCACCTGGGGGATCCCATCACAGCCTCTGCATCA
TCAAGCAGAACTGCAGCCATCTGGACCCGGAGCCACAGATTCTGTGGAGACTGGGAGCAG
AGCTTCAGCCCCGGGGCAGGCAGCAGCGTCTGTCTGATGGGACCCAGGAATCTATCATCA
CCCTGCCCCACCTCAACCACACTCAGGCCTTTCTCCTGCTGCCTGAACTGGGGCAACA
GCCTGCAGATCCTGGACCAGTTGAGCTGCGCGCAGGCTACCCTCCAGCCATACCCACA
ACCTCTCCTGCCTCATGAACCTCACAACCAGCAGCCTCATCTGCCAGTGGGAGCCAGAC
CTGAGACCCACCTACCCACCAGCTTCACTCTGAAGAGTTTCAAGAGCCCGGGCAACTGTC
AGACCCAAAGGGGACTCCATCCTGGACTGCGTGCCCAAGGACGGNCAGAGCCACTGCTGCA
TCCCACGCAAACCTGTGNTGTACCAGAATATGGGCATCTGGGTGCANGCAGAGAATG
CGCTGGGGACCAGCATGTCCCCAACAAGTGTCTTGATCCCATGGATGTTGTGAAACTGG
AGCCCCCATGTGCGGACCATGGACCCAGCCCTGAAGCGGCCCTCAAGGCNAGCT
GCCTACAGNTGTGCTGGAAGCCATGGCAACCCGGCCCTGACATAATAC
```

**3' Read Nucleotide Sequence:**

```
>OriGene 3' read for NM_000760 unedited
GGGCGGGANNGGCCCCNCACCACNNNNNTTTNNNNNNNNNNNTTTTGACTTAGNAACG
CGGNCCGATNCTANGATCGNGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTACACCCAAAAGGTCTATAAACAACAACAAAACACTGCAAACAAAAAC
TAGTTTACAATACTGAAGTTATAGGAAACAAGCCAAAAGGCCATTGGGGGGGGCTGGAT
GGAACATGATCTGGTCTTAAAGTATGCAAATCGCCTGGGAGGCCACCCATGGAAATT
GGGAGGAAAGGGAAATGCTGGTACTGGAAATGGGGAAAGCCTGGGCTGGGGTAATTTT
AATCATGGGCTTATGGACCCTCCCTTTTTTCCAGCTAGCTCAGGCCTTAAAAGGCAGG
CCAAAAAGGGAAACCCAGGAAGCCCTAAAAGCTCCCCAGCGCCTCCATCCCATGGACCC
GGATCCCCTGCAGGAGGGGAAGTTGAACAAGGGCCAAAAACACAGTCGTCCTCCTGGC
TTGGGGCTGGGGTTACCAGGGTCCCCAAGGGCTGGCCTGGAACCAAAGTTCTCATAGG
ACTTGGGGCTGGGGTGAGGCCGCCAAAAGGGCTGAGTGGAGTCACAGCGGAAATAGT
GCCCTGGCCTGGGCTTGTGGGGCTGCCAACAATTGCCATAAAGGACCTGATCGCTGG
TGCCAAACTGGGATTGGGCTGGGTGGAACCTGCTTTTTGGTCCCCTGGAGCACATAAG
TTGGGACAGAAGGGGAAGGCCAGTTTTTGAACCTGTTTGGGACTCCAGGGACCGGCT
TTTTTAATCCCTCTCAACACTGTGACCTTGGTGAAGGGGGGGGGCCAAAGGCCGGGACTG
GAAAGATCCTCTCCTGATGTGGGCCCCAGAACCCAGT
```

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_000760

**Insert Size:**

3000 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<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_000760.2</a> , <a href="#">NP_000751.1</a>
<b>RefSeq Size:</b>	3003 bp
<b>RefSeq ORF:</b>	2511 bp
<b>Locus ID:</b>	1441
<b>UniProt ID:</b>	<a href="#">Q99062</a>
<b>Cytogenetics:</b>	1p34.3
<b>Domains:</b>	FN3
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway, Pathways in cancer
<b>Gene Summary:</b>	<p>The protein encoded by this gene is the receptor for colony stimulating factor 3, a cytokine that controls the production, differentiation, and function of granulocytes. The encoded protein, which is a member of the family of cytokine receptors, may also function in some cell surface adhesion or recognition processes. Alternatively spliced transcript variants have been described. Mutations in this gene are a cause of Kostmann syndrome, also known as severe congenital neutropenia. [provided by RefSeq, Aug 2010]</p> <p>Transcript Variant: This variant (1) encodes isoform a.</p>