

## Product datasheet for **SC126233**

### SOCS4 (BC008618) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SOCS4 (BC008618) Human Untagged Clone
Tag:	Tag Free
Symbol:	SOCS4
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for BC008618 edited  
 CAAATGTAGACCCCTGCACTCAATGTGCTTACCCTGTAGGAGCAGAGACAGATAAGTCAGA  
 TTTTCAGTCTGGGGCAGGTGGAGCCATGATGAAGCCTTCCCACACTTGTGAGACCACTTT  
 GGGAGATGGGAGGCATCCCCAAGCTGGGTGAGCTTGAACCCACCAGCAGGGGTGAGCAGG  
 TCTTCTGCATACAGGGTTTTTCAGAGACACCGGGCTGGCCCGAGACACCTGAGCTGCATCA  
 GAGAACAATAGGTTCTGGGGCCTGCTGCGGTGAGGTGCCGGTGGGCACGCAGCTGGGG  
 GCACCAACAATGACCACCAGGGCACTAGTGTTCATCGGGTACCACCCCGTGTGCCAGGG  
 AATGTGGACTCAGTGCCTGCCATGTCCCTTGTCCGTGCAAGCAGACCAGTCTGTGCTC  
 TCACTGAATCCTCTGGAGGGACACCTCTCTACCTCTGTTTCCCTTTGGTAGACGTCTG  
 ATAACACACGTCTATTCTTTCACTCAGAATTCATAGATGTCGGCTGGGTGCGGTGGCT  
 TATGCCTGTAATCTCAGCACTTTGGGAGGCCGAAGGGACAGGATCGCTTGTGAGCTCGGA  
 ATTCAAGACCAGCCTGGCAACATGGCTAAGTCTCCTCTACAAAAAATAACAATAA  
 TTAGCCAGGCATGGTATGCATAACTTTAACCCCACTAATGGGGGGCTGAGATGGGTG  
 GATCACTTTTGGCCTGGGAGGCGGAGGTAGCAGTGTGAGTGGAGATCACGTCACTGTACTC  
 TAGCCTAGGAGACAGAGCAAGACTCCATCTCAAAAAAGAAAACAAAAAGAATTCATAG  
 ATGTAACATTTTGCCTTTGATACTTCTGATCTTTGTTAATCATGAAAAATCACTACTGGG  
 CACAGTGGCTCACGCCTGTAATTCAGCACTTTGGGAGGCCGAGGCGGGTGGACCTCCTC  
 AAGTCAGGAGTTCGAGACCAGCCTGGCCAAATGTGGTAAAACCCCGTCTCTACTAAAAATA  
 CAAAAATTAGCTGGGCATGGTGGCACACCCCTATAATCCCAGCTACTTGGGAGGCTGAGG  
 TGGGAGGATTGCACGAACCTGGGAGGCAACCAGCTCTGCTCACGTGAGCTGAGCTCACGC  
 CACTGCACTCCAGCCTGGGCAACAGAGCGAGACTAAGTCTCAAAAAAGAAAAAAAAAAG  
 AAAAAATACCAGAGTTGAAGTCTCCATCCCCCTTTCTTACAGGAAGTAACTGTGAGA  
 AATTGTGTCTGACAACCCCTGTGTCTCTCAGTCAAGCAGTGTGTGCCGTAGTTTCA  
 GATGTTTGACCCTTTATGCAGATGACGACATAGTGTGCGTTTTTGTCCAAGCTTTTTTCT  
 CTTACTCGACGTTATTTTTTTAGGTCTAGATGGTCCAATAATCTCATTGAGTCTGT  
 AAGCAGCTGGTTACCTCCATTTCCACACTTTCCATTTAGGAAGCTAAGGCTTAAAAAGAT  
 GAAGCCCCTGCCAGGCATGGTGGCTCATGTCTGTAATCCCTTTGAGAGGCTGAGCTGGGA  
 GGATCGCTTGAATCTAAGAGTGTGAGACCAGCCTGGACAGCCTAGCAAGAACCCTATCT  
 GCAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for BC008618 unedited  
 GGTCAATAATTTGTATACGACTCATATAGCGGCCGCGTATTCACATCTGGTACCACCCCG  
 TGTGCCAGGGAATGTGGACTCAGTGCCTGCCATGTCCCTTGTCCGTGCAAGCAGACCAC  
 GTCTGTGCTCTCACTGAATCCTCTGGAGGGACACCTCTCTACCTCTGTTTCCCTTTGG  
 TAGACGTCTGATAACACACGTCTATTCTTTCACTCAGAATTCATAGATGTCGGCTGGG  
 TGCGGTGGCTTATGCCTGTAATCTCAGCACTTTGGGAGGCCGAAGGGACAGGATCGCTT  
 GAGCTCGGGAATCAAGACCAGCCTGGGCAACATGGCTAAGTCTCCTCTACAAAAA  
 ATACAAATAATTAGCCAGGCATGGTATGCATAACTTTAACCCCACTAATGGGGGGCT  
 GAGATGGGTGGATCACTTTTGGCCTGGGAGGCGGAGGTAGCAGTGTGAGATCACGT  
 CACTGTACTCTAGCCTAGGAGACAGAGCAAGACTCCATCTCAAAAAAGAAAACAAAAA  
 GAATTCATAGATGTAACATTTTGCCTTTGATACTTCTGATCTTTGTTAATCATGAAAAA  
 ACTCACTGGGCACAGTGGCTCACGCCTGTAATTCAGCACTTTGGGAGGCCGAGGCGGGT  
 GGACCTCCTCAAGTCAGGAGTTCGAGACCAGCCTGGCCAAATGTGGTAAAACCCCGTCTCT  
 ACTAAAAATACAAAAATTAGCTGGGCATGGTGGCACACCCCTATAATCCCAGCTACTTGG  
 GGAGGCTGAAGTGGGAGGATTGCACGAACCCCTGGGAGGCAACCAGCTCTGCTCACGTGAG  
 CTGAACTCAGCCACTGCACTCCAACCTGGGGCAACAGAGCGAGACTAAATTCACAAAA  
 AAAAAAAAAAAAAAGAAAATCCCCGGAGTTTGAAGTCTCCT

**Restriction Sites:** Please inquire

**ACCN:** BC008618

<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="#">BC008618.1</a>
<b>RefSeq Size:</b>	1637 bp
<b>Locus ID:</b>	122809
<b>Cytogenetics:</b>	14q22.3
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Insulin signaling pathway, Jak-STAT signaling pathway, Type II diabetes mellitus
<b>Gene Summary:</b>	The protein encoded by this gene contains a SH2 domain and a SOCS BOX domain. The protein thus belongs to the suppressor of cytokine signaling (SOCS), also known as STAT-induced STAT inhibitor (SSI), protein family. SOCS family members are known to be cytokine-inducible negative regulators of cytokine signaling. Two alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]