

Product datasheet for **SC110087**

SOCS5 (NM_014011) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SOCS5 (NM_014011) Human Untagged Clone
Tag:	Tag Free
Symbol:	SOCS5
Synonyms:	CIS6; Cish5; CISH6; SOCS-5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC110087 sequence for NM_014011 edited (data generated by NextGen Sequencing)

```

ATGGATAAAGTGGGAAAAATGTGGAATAACTTCAAATACAGGTGTCAGAATCTCTTCGGT
CATGAGGGAGGAAGCCGTAGTAAAAATGTGGACATGAACCCAACAGATGTTTGTCTGTC
AAAGAGAAAAACATCAGCATAGGAGACTCAACTCCTCAGCAACAAAGCAGTCCCTTAAGA
AAAAATTATGCCTTAACTGGGATTAAGCCCTTCGAAGAATCTTCAAGGAGAAATCAA
AATTGTGCCACAGAAATCCCTCAAATTGTTGAAATAAGCATCGAAAAGGATAATGATTCT
TGTGTTACCCAGGAACAAGACTTGCACGAAGAGATTCCACTCTCGACATGCTCCATGG
GGTGGGAAGAAAAACATTCTCTGTTCTACAAAGACCCAGAGTTCATTGGATGCTGATAAA
AAGTTTGGTAGAACTCGAAGTGGACTTCAAAGGAGAGAGAGGCGCTACGGCGTAAGTTCT
GTACACGACATGGACAGTGTTCAGCAGAACTGTAGGAAGTCGCTCTCTAAGACAGAGG
TTGCAGGATACTGTGGGCTTGTGTTTTCCCATGAGAACTACAGCAAGCAGTCAAAGCCT
CTCTTTTCCAATAAAAGAAAAATCCATCTCTCTGAATTAATGCTTGAGAAATGCCCTTTT
CCTGCTGGCTCAGATTTAGCCAAAAATGGCATTGATTAACAGCATAACAGCTCCTGTG
AGCCACATTCAACATTTTTTGTACATTTGATCCATCTTTGGTTTCTACAGAAGATGAA
GAAGATAGGCTTAGAGAGAGAAGGCGGCTTAGTATTGAAGAAGGGGTTGATCCCCCTCCC
AATGCACAAATACATACATTTGAAGCTACTGCACAGGTTAATCCATTATATAAACTGGGA
CCAAAATTAGCTCCTGGAATGACTGAAATAAGTGGGGACAGTTCTGCAATTCCACAAGCT
AATTGTGACTCGGAAGAGGATACAACCACCTGTGTTTGCAGTCACGGAGGCAGAAGCAG
CGTCAGATATCTGGAGACAGCCATACGCATGTTAGCAGACAGGGAGCTTGAAAGTCCAC
ACACAGATTGATTACATACACTGCCTCGTGCCTGATTTGCTTCAAATTACAGGGAATCCC
TGTTACTGGGGAGTGTGACCGTTATGAAGCAGAAGCCCTTCTCGAAGGGAAACCTGAA
GGCACGTTTTTGTCTCAGGGACTCTGCGCAAGAGGACTACCTCTTCTGTGAGCTTCGC
CGCTACAACAGATCCCTGCATGCCCGAATTGAGCAGTGGAAATCACAACCTTAGTTTCGAC
GCCATGACCCGTGTGATTTCACTCCTCCACTGTAACGGGACTTTTAGAACATTATAAA
GATCCCAGTTCGTGCATGTTTTTGAACCATTGCTTACTATATCACTAAATAGGACTTTC
CCTTTTAGCCTGCAGTATATCTGTGCGCGGTAATCTGCAGGTGCACTACGTATGATGGA
ATTGATGGGCTCCCTCTACCCTCAATGTTACAGGATTTTTTAAAAGAGTATCATTATAAA
CAAAAAGTTAGAGTTCGCTGGTTGGAACGAGAACCAGTCAAGGCAAAAGTAA
    
```

Clone variation with respect to NM_014011.4
1047 c=>g

5' Read Nucleotide Sequence:

```

>OriGene 5' read for NM_014011 unedited
NGTTTCAGATTTGTATACGATGACTATAGGCGGCCCGGAATTCGCACGAGGCCTCGTGCC
GAATTCGGCACGAGGGACGCACCGGAGGGCAGGGGACTCGCCCTGTGCGTGACTGCGCC
GTCCGGGCCCGTCTGCCTGGCCGAGGTGCCCTGGATGAGGCGCCCGCGCGCCCAA
ACGATTTTATAATCAATGGATAAAGTGTGTTATATGTGGAATAACTTCAAATACAGGTGT
CAGAATCTCTTCGGTCATGAGGGAGGAAGCCGTAGTAAAATGTGGACATGAACTCCAAC
AGATGTTTGTCTGTCAAAGAGAAAAACATCAGCATAGGAGACTCAACTCCTCAGCAACAA
AGCAGTCCCTTAAGAGAAAAATTTGCCTTAACTGGGATTAAGCCCTTCGAAGAATTCT
TCAAGGAGAAATCAAAATTTGCCACAGAAATCCCTCAAATTGTTGAAATAAGCATCGAA
AAGGATAATGATTCTTGTGTTACCCAGGAACAAGACTTGACGAAGAGATTCTACTCT
CGACATGCTCCATGGGGTGGGAAGAAAAACATTCCTGTTCTACAAAGACCCAGAGTTCA
TTGGATGTGATAAAAAGTTTGTAGAACTCGAAGTGGACTTCAAAGGAGAGAGACGCGC
TACCGCGTAAGTTCTGTACACGACATGGACAGTGTTCGCGCAGAACTGTANGAAGTCGC
TCTCTAACACAGAGTTGCACGATACCGCGGCTTGCCTTCTCCACTGAGACTTACAGAA
GCAGTCACAAGCCTTCTTTTTCAATAAAAGAAAACCTCTCTCTGAATTAAGCTTGAAAA
AGCCCCTATACTGCTGGCTTAAATTAGCCAAAAATGGCCTTTGGTTAAACACATACCGCT
CC
    
```

3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014011 unedited</p> <pre> NNNNTTTAGCTTTGAACCGGCGGCCGCATNCTAAGATCGAGTTTTTTTTTTTTTTTTTTT CAAGTTTCATGCTGGTGATTTTTCTTTTTAAAAGTAAGCCACTAATATTTTAAGACAAA ATTTAAACCAAAAATTGCATATTAATATTATACACAACTGAAACATGTGACTTTTAGCA CAGTGTATACATGCTTACATAAACTCAAACACATTTAAAACAATTTCCATTTAACATATG AAAGTTTTGAAATACATAAAAGCATTAACTTTCTATAAACTACAGTTAGAACATCAA TTTGCTACAAGCATATAAAAACATCAAGTGCTTTCTGGAGTTTCAAGTTTCTCTCTAA AACACAATCTTGCTCACATATATAGTCCTTTTCCAATAATCAGTATGAACTTTTCTTTT CTCAAGAGGTTTTATTTCCAGGTACATTATAAGCTCAAGAAAAAGACCCAACAATTAGG CAATATAATTATGTCATAACAACCTAATTGCACATAATGCTTTAAAGTAGGTTTGGATGA AGTTCTCAAACACTTTGGTATATGATCTTCAGGGACTTTAATTAGAAACAACAGAAATTA AAAGTCCCTTCAATCCCCATTTTGCTTTAAAAGGGACAAGTCTTTGGTTAAAGTTCTACA TTTTGGGCATTTATTTTAAATTAAGATGGTCCCCAAACCAATAAATGGTACTGATCTATT ACAAATTCACAAGACTTCATTTAACCTGCTTCTGATGCAGTGGGAGGTTACAGATACTCA TTTACTATAATATGTCATTGGATAGTTTCAATCTTTTATTATAAGCAGAGAAATCAATA NGGTTATTACTTCTCTGTCAGTTTTCTGTATAACCTAACTGTACANGTATTTGCAGTA ACTACC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014011
Insert Size:	4760 bp
OTI Disclaimer:	<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 custsupport@origene.com 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. More info</p>
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).
Reconstitution Method:	<ol style="list-style-type: none"> 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_014011.4 , NP_054730.1

RefSeq Size: 4422 bp

RefSeq ORF: 1611 bp

Locus ID: 9655

UniProt ID: [O75159](#)

Cytogenetics: 2p21

Domains: SH2, SOCS

Protein Families: Druggable Genome

Protein Pathways: Jak-STAT signaling pathway

Gene Summary: 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) family, also known as STAT-induced STAT inhibitor (SSI) protein family. SOCS family members are known to be cytokine-inducible negative regulators of cytokine signaling. The specific function of this protein has not yet been determined. Two alternatively spliced transcript variants encoding an identical protein have been reported. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 2. Both variants encode the same protein.