

Product datasheet for **SC120351**

SOCS4 (NM_080867) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SOCS4 (NM_080867) Human Untagged Clone
Tag:	Tag Free
Symbol:	SOCS4
Synonyms:	SOCS7
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_080867, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGAAAATAATGAAAATATTAGTAAAAATGTAGATGTAAGGCCAAAAGTCTCGGAGCAGAAGTG
CCGACAGAAAAGACGGTTATGTGTGGAGTGAAAGAAGTTATCTTGGTCAAAAAAGAGTGAGAGTTATTC
AGATGCTGAGACAGTGAATGGTATAGAGAAAACCGAAGTGTCTTTAAGGAACCAAGAAAGGAAGCACAGC
TGTTTCATCCATTGAGTTGGACTTAGATCATTCTGTGGGCATCGATTTTTAGGCCGATCTCTTAAACAGA
AACTGCAAGATGCCGTGGGGCAGTGTTCCTAATAAAGAATTGTAGTAGTCGGCACTCTTCAGGGCTTCC
GTCTAAAAGGAAAATTCATATCAGTGAACCTCATGTTAGATAAGTGTCTTTCCACCTCGATCAGATTTA
GCCTTTAGGTGGCATTATTAACGACACACTGCTCCTATAAATTCCTAATCAGATGAATGGGTAAAGCA
CAGACTTGTCTCAGACTGAATGAGGGATGGTCAGCTAAAACGAAGAAATATGGAAGAAAATATAAACTG
TTTCTCACATACCAATGTTTCAGCCCTGTGTATAACCACCGACAATGCTTTGTGTAGAGAAGGTCCTATG
ACTGGCTCTGTGATGAACCTGGTTTCAAATAACAGTATAGAAGATAGTGATATGGATTCCGATGATGAAA
TTCTAACACTTTGCACAAGTCCAGAAAAAGAAACAAACCCAAATGGGATTTGGATGATGAAATCCTGCA
GTTGGAACACCTCCTAAATACCACACGCAGATTGATTATGTCCACTGTCTTGTACCAGACCTCCTTCAG
ATCAATAACAACCCATGTTACTGGGGAGTGTGGATAAATACGCAGCCGAAGCACTACTGGAAGGAAAAC
CAGAGGGTACCTTTTACTTCGAGACTCAGCACAGGAAGACTATTTATTCTCTGTTAGTTTTAGACGCTA
TAGTCGTTCTCTTCATGCTAGAATTGAACAGTGAATCACAACCTTTAGCTTTGATGCACATGACCCCTGT
GTCTTCCATTCTCCTGACATTACTGGGCTCCTAGAACATTATAAGGACCAAGCGCCTGTATGTTCTTTG
AACCACTTCTATCCACTCCCTTAATTCGGACTTTCCCTTTTTCCCTGCAGCATATATGCAGAACAGTTAT
TTGTAAGTGTACAACCTTATGATGGCATCGATGCCCTTCCAATTCCTTCTCTATGAAATTATATCTGAAG
GAATATCATTATAAATCAAAAGTTAGAGTACTCAGGATTGATGCACCAGAACAGCAATGCTAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_080867 unedited TTCAAATTTTGTAAACGACTCACTATTAGGGCGGCCGCGATTTCGGCACGAGGCGGAGGC GATGACCGTGACGGCTGGGTTGGGACCGGAACGCCGAAGCGGGTTGGGGTGGCAGAAA AGCATCTGCTTTTGAAGACCTACACGAGGTGCAGGAGTGGTTGGGCTCCCCTCTCCACT TAAGCAAGCGCCAGACTGATGGCGATGGTATGGCAGCAGTTACTCGCACAAACCCAGT TAAGTCGCGTCCGGGAGATACATCCAGAAAGTGCCAGAAGAACTTCCTGCTGGAAAA AATGAAAAAGCAGTATTTATAACATTAGAATCTGGATAATTTGTTAACATGGCAGAAAAAT AATGAAAAATATTAGTAAAAATGTAGATGTAAAGGCCAAAAGTTCGGAGCAGAAGTGCC GACAGAAAAGACGGTTATGTGTGGAGTGAAAAGATTATCTTGGTCAAAAAAGAGTGAG AGTTATTCAGATGCTGAGACAGTGAATGGTATAGAGAAAACCGAAGTGTCTTTAAGGAAC CAAGAAAGGAAGCACAGCTGTTCATCCATTGAGTTGGACTTAGATCATTCTGTGGGCAT CGATTTTTAGGCCGATCTCTTAAACAGAACTGCAAGATGCCGTGGGCGAGTGTTCCTCA ATAAAGAATTGTAGTAGTCGGCACTCTTCAGGGCTTNCGTCTAAAAGGAAAATTCATATC AGTGAACCTCATGTAGATAAGTGTCTTTCCACCTCGATCAGATTTAGCCTTTNAGTGG CATTNTATTAACGACACACTGTNNCTATAATNCCAAATCAGATGAATGGGGTAAGCAC AGACTTGTCTCAGACTGAATTGAGGGGATGGTCAGCTAAAACGAGAATATGGNNAGAAAT NTAAACTGTTTCTCACATACAATGGTCAGCCCTGTGCATAACACCGACAATGCTTTGGT TAAAAGAAGTCCTATACCTGGCTCTGGC
Restriction Sites:	NotI-NotI
ACCN:	NM_080867
Insert Size:	4000 bp
OTI Disclaimer:	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).
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_080867.2 , NP_543143.1
RefSeq Size:	6900 bp
RefSeq ORF:	1323 bp
Locus ID:	122809
UniProt ID:	Q8WXH5
Cytogenetics:	14q22.3
Domains:	SH2, SOCS

Protein Families:	Druggable Genome
Protein Pathways:	Insulin signaling pathway, Jak-STAT signaling pathway, Type II diabetes mellitus
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an exon in the 5' region, as compared to variant 1.</p>