

## Product datasheet for **RG209202**

### SOCS4 (NM\_199421) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SOCS4 (NM_199421) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SOCS4
Synonyms:	SOCS7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209202 representing NM_199421 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGAAAATAATGAAAATATTAGTAAAAATGTAGATGTAAGGCCAAAAGTCTGGAGCAGAAGTG  
CCGACAGAAAAGACGGTTATGTGTGGAGTGAAAGAAGTTATCTTGGTCAAAAAGAGTGAGAGTTATTC  
AGATGCTGAGACAGTGAATGGTATAGAGAAAACCGAAGTGTCTTTAAGGAACCAAGAAAGGAAGCACAGC  
TGTTTCATCCATTGAGTTGACTTAGATCATTCTGTGGGCATCGATTTTTAGGCCGATCTCTTAAACAGA  
AACTGCAAGATGCCGTGGGCAGTGTTCCTAATAAAGAATTGTAGTAGTCGGCACTCTTCAGGGCTTCC  
GTCTAAAAGGAAAATTCATATCAGTGAACCTCATGTTAGATAAGTGTCTTTCCACCTCGATCAGATTTA  
GCCTTTAGGTGGCATTATTAACGACACACTGCTCCTATAAATTCCTAATCAGATGAATGGGTAAAGCA  
CAGACTTGTCTCAGACTGAATGAGGGATGGTCAGCTAAAACGAAGAAATATGGAAGAAAATATAAACTG  
TTTCTCACATACCAATGTTTCAGCCCTGTGTCTAACCACCGACAATGCTTTGTGTAGAGAAGGTCCTATG  
ACTGGCTCTGTGATGAACCTGGTTTCAAATAACAGTATAGAAGATAGTGATATGGATTCCGATGATGAAA  
TTCTAACACTTTGCACAAGTCCAGAAAAGAAACAAACCCAAATGGGATTTGGATGATGAAATCCTGCA  
GTTGGAACACCTCCTAAATACCACACGCAGATTGATTATGTCCACTGTCTTGTACCAGACCTCCTTCAG  
ATCAATAACAACCCATGTTACTGGGGAGTGATGGATAAATACGCAGCCGAAGCACTACTGGAAGGAAAAC  
CAGAGGGTACCTTTTTACTTCGAGACTCAGCACAGGAAGACTATTTATTCTCTGTTAGTTTTAGACGCTA  
TAGTCGTTCTCTTCATGCTAGAATTGAACAGTGAATCACAACCTTTAGCTTTGATGCACATGACCCCTGT  
GTCTTCCATTCTCCTGACATTACTGGGCTCCTAGAACATTATAAGGACCAAGCGCTGTATGTTCTTTG  
AACCACTTCTATCCACTCCCTTAATTCGGACTTTCCCTTTTTCCCTGCAGCATATATGCAGAACAGTTAT  
TTGTAAGTGTACAACCTATGATGGCATCGATGCCCTTCAATTCCTTCTCTATGAAATTATATCTGAAG  
GAATATCATTATAAATCAAAGTTAGAGTACTCAGGATTGATGCACCAGAACAGCAATGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG209202 representing NM\_199421  
 Red=Cloning site Green=Tags(s)

MAENNENISKNVDPKTSRSDRDKGYVWSGKLSWSKSESYSDAETVNGIEKTEVSLRNQERKHS  
 CSSIELDLHSCGHRFLGRSLKQKLQDAVGQCFFIKNCSSRHSSGLPSKRKIHISELMLDKCFFPPRSDL  
 AFRWHF IKRHTAPINSKSEWVSTDL SQTELRDGQLKRRNMEENINCF SHTNVQPCVITTDNALCREGPM  
 TGSVMNLVSNNSIEDSDMDSDEIL TLCTSSRKRKPKWDL DDEILQLETPPKYHTQIDYVHCLVPDLLQ  
 INNNPCYWGVMDKYAAEALLEGKPEGTFLLRDSAQEDYLF SVSFRRYSRSLHARIEQWNHNSFDAHDP  
 VFHSPDITGLLEHYKDP SACMFFPELLSTPL IRTFPFLQHICRTVICNCTTYDGDALPIPSSMKLYLK  
 EYHYKSKVRVLRIDAPEQQC

TRTRPLE - GFP Tag - V

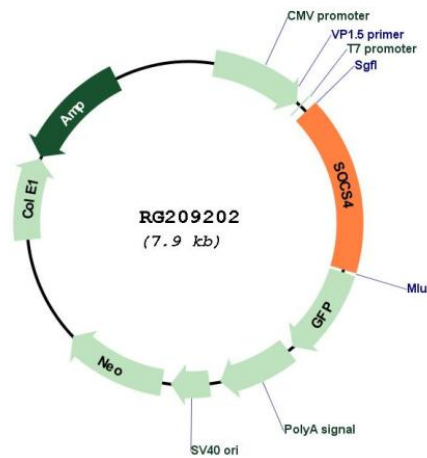
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_199421

<b>ORF Size:</b>	1320 bp
<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_199421.2</a>
<b>RefSeq Size:</b>	7029 bp
<b>RefSeq ORF:</b>	1323 bp
<b>Locus ID:</b>	122809
<b>UniProt ID:</b>	<a href="#">Q8WXH5</a>
<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]