

Product datasheet for **MG217474**

Socs4 (NM_080843) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Socs4 (NM_080843) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Socs4
Synonyms:	3110032M18Rik; A730004F22Rik; AI427843; AU015727; AU015859; Socs7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG217474 representing NM_080843 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAAAACAATAGTAAAAATGTAGATGTATGGCCTAAAACAAGTCGGAGTCGAAGTCTGACAGGA
AGGATGGTTATGTGTGGAGTGAAAGAAGTTGTCTTGGTCCAAAAGAGTGAGAGTTGTTCTGAATCTGA
AGCCATAGGTACTGTTGAGAATGTTGAAATTCCTCTAAGAAGCCAAGAAAGGCAGCTTAGCTGTTCTGTC
ATTGAGTTGGACTTAGATCATTCTGTGGGCATAGATTTTTAGGCCGATCCCTTAAACAGAACTGCAAG
ATGCGGTGGGCAGTGTTCCTCAATAAAGAATTGTAGTGGCCGACTCTCCAGGGCTTCCATCTAAAAG
AAAGATTCATATCAGTGAACCTATGTTAGATAAGTGCCCTTCCACCTCGCTCAGATTTAGCCTTAGG
TGGCATTATTAACGACACACTGTTCCATGAGTCCCAACTCAGATGAATGGGTGAGTGCAGACCTGT
CTGAGAGGAACTGAGAGATGCTCAGCTGAAACGAAGAAACACAGAAGATGACATACCCTGTTTCTCACA
TACCAATGGCCAGCCTTGTGTCATAACTGCCAACAGTGCCTTCGTGTACAGGTGGTACATAACTGTTCT
ATGATGAACCTGGTCCAAAACAAGCAGATAGAAGACAGTGCATGGATTCAGAGGATGAAATTATAACGC
TGTGCACAAGCTCCAGAAAAGGAATAAGCCCAGGTGGGAAATGGAAGAGGAGATCCCTGCAGTTGGAGGC
ACCTCCTAAGTCCCACTCAGATCGACTACGTCCACTGCCTTGTCCAGACCTCCTTCAGATCAGTAAC
AATCCGTGCTACTGGGGTGTATGGACAAATATGCAGCCGAAGCTCTGCTGGAAGGAAAGCCAGAGGGCA
CCTTTTTACTTCGAGATTCAGCGCAGGAAGATTATTTATTCTCTGTTAGTTTTAGACGCTACAGTCGTT
TCTTCATGCTAGAAATTGAGCAGTGAATCATAACTTTAGCTTTGATGCCATGATCCTTGTGCTTCCAT
TCTCCTGATATTACTGGGCTCCTAGAACACTATAAGGACCCAGTGCCTGTATGTTCTTTGAGCCGCTCT
TGTCCACTCCCTAATCCGGACGTTCCCTTTTCTTGCAGCATATTTGCAGAACGGTTATTTGTAATTG
TACGACTTACGATGGCATCGATGCCCTTCCATTCCTTCGCTATGAAATTGATCTGAAGGAATACCAT
TATAAATCAAAGTTAGGTTACTCAGGATTGATGTCCAGAGCAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217474 representing NM_080843
 Red=Cloning site Green=Tags(s)

MAENNSKNVDVVPKTSRSDRDKGYVWSGKKLSWSKKSESCSESEAIGTVENVEIPLRSQERQLSCSS
 IELDLHSCGHRFLGRSLKQKLQDAVGQCFPIKNCSGRHSPGLPSKRKIHISELMLDKCPFPPRSDLAFR
 WHFIKRHTVPMSPNSDEWVSADLSERKLRDAQLKRRNTEDDIPCFSHNTGQPCVITANSASCTGGHITGS
 MMNLVTNNSIEDSDMSEDEIITLCTSSRKRKPRWEMEEEEILQLEAPPKFHTQIDYVHCLVPDLLQISN
 NPCYWGVMDKYAAEALLEGKPEGTFLLRDSAQEDYLFVSVFRRYSRSLHARIEQWNHNFSDAHDPCVFH
 SPDITGLLEHYKDPACMFFPELLSTPLIRTFFPSLQHCRTVICNCTTYDGIDALPIPSMKLYLKEYH
 YKSKVRLRLRIDVPEQQ

TRTRPLE - GFP Tag - V

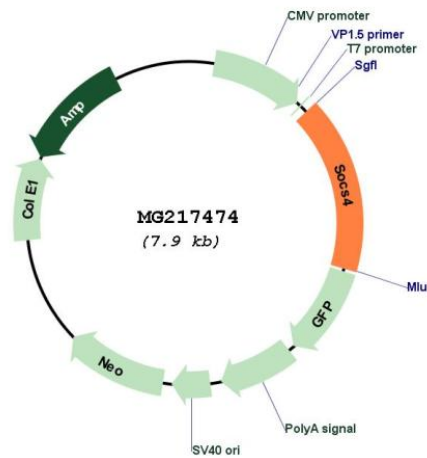
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_080843

ORF Size:	1308 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_080843.1
RefSeq Size:	2154 bp
RefSeq ORF:	1311 bp
Locus ID:	67296
UniProt ID:	Q91ZA6
Cytogenetics:	14 C1
Gene Summary:	SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. Substrate-recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Inhibits EGF signaling by mediating the degradation of the Tyr-phosphorylated EGF receptor/EGFR (By similarity).[UniProtKB/Swiss-Prot Function]