

## Product datasheet for **MR217474**

### Socs4 (NM\_080843) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Socs4 (NM_080843) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Socs4
Synonyms:	3110032M18Rik; A730004F22Rik; AI427843; AU015727; AU015859; Socs7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR217474 representing NM\_080843  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTGAAAACAATAGTAAAAATGTAGATGTATGGCCTAAAACAAGTCGGAGTCGAAGTCTGACAGGA  
 AGGATGGTTATGTGTGGAGTGGAAAGAAGTTGTCTTGGTCCAAAAAGAGTGAGAGTTGTTCTGAATCTGA  
 AGCCATAGGTAAGTGTGAGAATGTTGAAATTCCTCTAAGAAGCCAAGAAAGGCAGCTTAGCTGTTCTGTC  
 ATTGAGTTGGACTTAGATCATTCTGTGGGCATAGATTTTTAGGCCGATCCCTTAAACAGAAACTGCAAG  
 ATGCGGTGGGCAGTGTTCCTAATAAAGAATTGTAGTGGCCGACACTCTCCAGGGCTTCCATCTAAAAG  
 AAAGATTCATATCAGTGAACCTATGTTAGATAAGTGCCCTTCCACCTCGCTCAGATTTAGCCTTTAGG  
 TGGCATTATTAACGACACACTGTTCTATGAGTCCCACTCAGATGAATGGGTGAGTGCAGACCTGT  
 CTGAGAGGAAACTGAGAGATGCTCAGCTGAAACGAAGAAACACAGAAGATGACATACCCTGTTTCTACA  
 TACCAATGGCCAGCCTTGTGTCATAACTGCCAACAGTGTTCGTGTACAGGTGGTACATAACTGTTTCT  
 ATGATGAACCTGGTCACAAAACAACAGCATAGAAGACAGTGACATGGATTAGAGGATGAAATTATAACGC  
 TGTGCACAAGCTCCAGAAAAAGGAATAAGCCCAGGTGGGAAATGGAAGAGGAGATCCTGCAGTTGGAGGC  
 ACCTCCTAAGTCCACACTCAGATCGACTACGTCCACTGCCTTGTTCAGACCTCCTTCAGATCAGTAAC  
 AATCCGTGCTACTGGGTGTCATGGACAAATATGCAGCCGAAGCTCTGCTGGAAGGAAAGCCAGAGGGCA  
 CCTTTTACTTCGAGATTCAGCGCAGGAAGATTATTTATCTCTGTTAGTTTTAGACGCTACAGTCGTTCT  
 TCTTCATGCTAGAATTGAGCAGTGAATCATAACTTTAGCTTTGATGCCCATGATCCTTGTGTCTCCAT  
 TCTCCTGATATTACTGGCTCCTAGAACACTATAAGGACCCAGTGCCTGTATGTTCTTTGAGCCGCTCT  
 TGTCACCTCCCTAATCCGGACGTTCCCTTTTCTTGCAGCATATTTGCAGAACGGTTATTTGTAATTG  
 TACGACTTACGATGGCATCGATGCCCTCCCATTCCTTCGCTATGAAATTGTATCTGAAGGAATACCAT  
 TATAAATCAAAAGTTAGTTACTCAGGATTGATGTGCCAGAGCAGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR217474 representing NM\_080843  
 Red=Cloning site Green=Tags(s)

MAENNSKNVDVWPKTSRSDRDKDGYVWSGKLSWSKKSESCSESEAIQTVENVEIPLRSQERQLSCSS  
 IELDLDHSCGHRFLGRSLKQKLQDAVGQCFPIKNCSGRHSPGLPSKRKIHISELMLDKCPFPRLAFR  
 WHFIKRHTVPMSPNSDEWVSADLSERKL RDAQLKRRNTEDDIPCFSHNTGQPCVITANSASCTGGHITGS  
 MMNLVTNNSIEDSDMSEDEIITLCTSSRKRKPRWEMEEEILQLEAPPKFHTQIDYVHCLVPDLLQISN  
 NPCYWGVMKYAAEALLEGKPEGTFLLRDSAQEDYLFVSVFRYSRSLHARIEQWNHNSFDADHPCVVFH  
 SPDITGLLEHYKDPACMFFEPDLLSTPLIRTFPSLQHCRTVICNCTTYDGIDALPIPSMKLYLKEYH  
 YKSKVRLRLRIDVPEQQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



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:
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

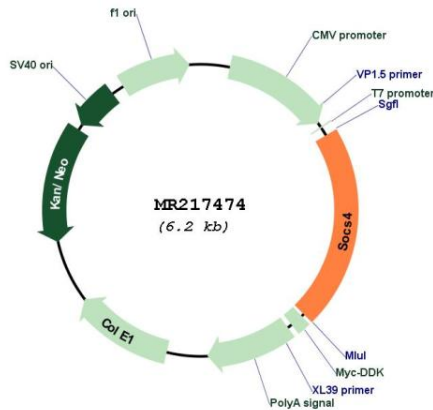
UniProt ID: [Q91ZA6](#)

Cytogenetics: 14 C1

**MW:** 50.4 kDa

**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]

**Product images:**



Circular map for MR217474