

Product datasheet for **MC212637**

Socs2 (NM_007706) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Socs2 (NM_007706) Mouse Untagged Clone
Tag: Tag Free
Symbol: Socs2
Synonyms: 8030460M17; AI527257; AW108012; CIS2; Cish2; D130043N08Rik; hg; JAB; SOCS-2; SSI-2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212637 representing NM_007706
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACCCTGCGGTGCCTGGAGCCCTCCGGGAATGGAGCGGACAGGACGCGGAGCCAGTGGGGACCGCGG
GGTTGCCGGAGGAACAGTCCCCGAGCGCGCGTCTGGCGAAAGCCCTGCGCGAGCTCAGTCAAACAGG
ATGGTACTGGGAAGTATGACTGTTAATGAAGCCAAAGAGAAATTAAGAGGCTCCAGAAGGAACCTTC
TTGATTAGAGATAGTTCGATTCAGACTACCTACTAATAATATCCGTTAAGACGTCAGCTGGACCGACTA
ACCTGCGGATTGAGTACCAAGATGGGAAATTCAGATTGGATTCTATCATATGTGTCAAGTCCAAGCTTAA
ACAGTTTGACAGTGTGGTTCATCTGATTGACTACTATGTCCAGATGTGCAAGGATAAACGGACAGGCCCA
GAAGCCCCACGGAATGGGACTGTTACCTGTACCTGACCAAACCTCTGTATACATCAGCACCCACTCTGC
AGCATTCTGTGCGACTCGCCATTAACAAATGTACCGGTACGATCTGGGGACTGCCTTTACCAACAAGACT
AAAAGATTACTTGAAGAATATAAATTCAGGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_007706
Insert Size: 597 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).



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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:	<u>NM_007706.4, NP_031732.1</u>
RefSeq Size:	2222 bp
RefSeq ORF:	597 bp
Locus ID:	216233
UniProt ID:	<u>O35717</u>
Cytogenetics:	10 49.35 cM
Gene Summary:	<p>SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. SOCS2 appears to be a negative regulator in the growth hormone/IGF1 signaling pathway. Probable substrate recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. All four variants encode the same protein.</p>