

Product datasheet for **MC219331**

Socs7 (NM_138657) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Socs7 (NM_138657) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Socs7
Synonyms:	2310063P06Rik; C85125; Nap4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219331 representing NM_138657
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGTTCGCCAACGTGGGGCGGCCCGGAGGAGGAGACCGGAGGGCGCCCGGAGCCGGGACCTT
 CGAACTGCTGTGCCCGGCACCGCTGCGCGCTGGATCCCAAGGCCCTCCCGCCGGCTTGGCGCTCGA
 GCGGACCTGGGGTCCCCTGGCTGGACTAGAGGCGCAGCTGGCGGCCCTGGGGCTCGGACAGCCGGCGGGG
 CCGGGGATCAAGACTGCCGGCGGAGGCTGCTGTCCGTGCCGTGTCCCCCGCAGCCCGCCGCCGCAAC
 CCCC GCCCGCTGCTGCCGCCCGCAGGCCGGGAGGCCGACGGAGACGAGCGACGCGTCTGTTCTT
 GGAGGGCTTGAATCGGAGGCCGAGAGCCTGGAGACTAACAGCTGCTCGGAAGAGGAGCTCAGCAGCCCC
 GGCGTGGAGGAGGAGTGGTGGCCGGCTGCTTTCGAGCCTCCGGTCCCGAACTACCCCGGTGC
 CCTTCCGCTGCAGGACTTGGTCCCTCCAGGGCGCTTTCGAGCCGAGGGGAGCAGCAGCAGCAACTCC
 CCCACCGCCGCCCTCCCGGGCCCTCCGGCCTCTCGCAGGCCCTTCTCGGAAGGGCTCCTTCAAATC
 CGCCTCAGTCGCCTGTTTCGCACGAAGAGCTGTAAACGGCGGCTCGGGCGCGGGGATGGGACCGCAAGA
 GGCTTCCGGGAGATCTGGCAGCTTTCAGCTGCGAGCCTGACCGACATGGGAGGCTCAGCGTCCGGGAGCT
 GGATACGGGGAGGAAACCCAGGTTGACAAGAACTCAAAGTGCCTTTTCCCGGTCTCCTTCAGCCCCCTG
 TTCACAGGTGAGACAGTATCGCTTGTGGACGTGGACATTTCTCAGCGGGGCTGACCTCTCCACACCCTC
 CACTCCCCCTCCTCCAAGAAGAAGCCTCAGCCTCCTAGATGATATCAGTGGGACGCTGCCTACATC
 TGTCTTGTGGTCCGATGGGGTCTTCTTGCAGTCTTCCCCCTACCTCCGCTCCTCCACCCACGCC
 CCAGATCGGTTTCCCGAATTGCTCCATCAGAGCGTCAGAATCCCTGCACAGCCAGCCCCCTCAGCACC
 TCCAGTGTCCCCTCTATCGGCCGACTCAAGCAGCTTTCAGCCAGCCTTCGAGAGCTGGAAAAGTGGCG
 CTGGTACTGGGGACCTATGAATTGGGAAGATGCAGAGATGAAACTGAAGGGGAAGCCAGATGGTTCTTTC
 CTGGTACGAGACAGCTCTGATCCTCGTTACATCCTGAGCCTCAGCTTTCGATCACAGGATCACCCATC
 AACTAGAAATGGAGCACTATAGAGGGACTTTCAGCTTATGGTGCCATCCCAAGTTTGGAGATCGCTGTCA
 GTCGGTGGTGGAGTTCATTAAGAGAGCCATCATGCACTCCAAGAACGGGAAATTTCTCTATTTCTGAGA
 TCCAGGGTCCCAGGACTGCCACCACTCCAGTACAGCTGCTCTATCCAGTGTCCAGATTCAGCAATGTCA
 AGTCCCTCCAGCATCTTTCAGATTCCGGATCCGGCAGCTTGTCCGAATAGACCATATCCGGATCTGCC
 ACTGCCTAAACCTCTGATCTCTTACATTCGAAAGTTCTACTACTATGATCCTCAGGAAGAGGTGTACCTG
 TCCCTAAAGGAAGCGCAGCTCATTTCAAACAGAAACAAGAGGTGGAGCCTTCCAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_138657
- Insert Size:** 1740 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:

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_138657.3](#), [NP_619598.1](#)

RefSeq Size: 7015 bp

RefSeq ORF: 1740 bp

Locus ID: 192157

UniProt ID: [Q8VHQ2](#)

Cytogenetics: 11 D

Gene Summary: Regulates signaling cascades probably through protein ubiquitination and/or sequestration. Functions in insulin signaling and glucose homeostasis through IRS1 ubiquitination and subsequent proteasomal degradation. Inhibits also prolactin, growth hormone and leptin signaling by preventing STAT3 and STAT5 activation, sequestering them in the cytoplasm and reducing their binding to DNA. May be a substrate recognition component of a SCF-like E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (By similarity).[UniProtKB/Swiss-Prot Function]