

Product datasheet for **MC208284**

Socs3 (NM_007707) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Socs3 (NM_007707) Mouse Untagged Clone
Tag: Tag Free
Symbol: Socs3
Synonyms: Cis3; Cish3; EF-10; Ef10; SSI-3; Ssi3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208284 representing NM_007707
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTCACCCACAGCAAGTTTCCCGCCCGGGATGAGCCGCCCTGGACACCAGCCTGCGCCTCAAGA
 CCTTCAGCTCCAAAAGCGAGTACCAGCTGGTGGTGAACGCCGTGCGCAAGCTGCAGGAGAGCGGATTCTA
 CTGGAGCGCCGTGACCGCGCGGAGGCGAACCTGCTGCTCAGCGCCGAGCCCGGGGCACCTTTCTTATC
 CGCGACAGCTCGGACCAGCGCCACTTCTTACGTTGAGCGTCAAGACCCAGTCCGGGACCAAGAACCCTAC
 GCATCCAGTGTGAGGGGGCAGCTTTTCGCTGCAGAGTGACCCCGAAGCACGCAGCCAGTTCGCCGCTT
 CGACTGTGTACTCAAGCTGGTGCACCACTACATGCCGCCTCCAGGGACCCCTCCTTTTCTTTGCCACCC
 ACGGAACCCTCGTCCGAAGTCCGGAGCAGCCACTGCCAGGCACTCCCGGGAGTACCCCAAGAGAG
 CTTACTACATCTATTCTGGGGGCGAGAAGATCCGCTGGTACTGAGCCGACCTCTCTCTCCAACGTGGC
 CACCCTCCAGCATCTTTGTGGAAAGACTGTCAACGGCCACCTGGACTCCTATGAGAAAGTGACCCAGCTG
 CCTGGACCCATTCGGGAGTTCCTGGATCAGTATGATGCTCCACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_007707
Insert Size: 678 bp



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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:	<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_007707.3 , NP_031733.1
RefSeq Size:	2742 bp
RefSeq ORF:	678 bp
Locus ID:	12702
UniProt ID:	O35718
Cytogenetics:	11 E2
Gene Summary:	SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. SOCS3 is involved in negative regulation of cytokines that signal through the JAK/STAT pathway. Inhibits cytokine signal transduction by binding to tyrosine kinase receptors including gp130, LIF, erythropoietin, insulin, IL12, GCSF and leptin receptors. Binding to JAK2 inhibits its kinase activity. Suppresses fetal liver erythropoiesis. Regulates onset and maintenance of allergic responses mediated by T-helper type 2 cells. Regulates IL-6 signaling in vivo. Probable 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 (By similarity). Seems to recognize IL6ST.[UniProtKB/Swiss-Prot Function]