

Product datasheet for **MR226604**

Socs1 (NM_009896) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Socs1 (NM_009896) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Socs1
Synonyms:	Cish1; Cish7; JAB; SOCS-1; SSI-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226604 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTAGCACGCAACCAGGTGGCAGCCGACAATGCGATCTCCCCGGCAGCAGAGCCCCGACGGCGGTTCAG
AGCCCTCCTCGTCCTCGTCTTCGTCCTCGCCAGCGGCCCGTGCCTCCCGGCCCTGCCGGCGGTCCC
AGCCCCAGCCCCGGCGACTCACTTCCGCACCTTCGCTCCCACTCCGATTACCGGCGCATCACGCGG
ACCAGCGCTCCTGGACGCTGCGGCTTCTATTGGGGACCCCTGAGCGTGCACGGGGCGCACGAGCGGC
TGCGTGCCGAGCCCGTGGGCACCTTCTGGTGCAGCAGTCGCCAACGGAAGTCTTCTCGCGCTCAG
CGTGAAGATGGCTTCGGGCCACGAGCATCCGCGTGCCTTCCAGGCCGCGCTTCCACTTGGACGGC
AGCCGCGAGACCTTCGACTGCCTTTTCGAGCTGCTGGAGCACTACGTGGCGGCGCCGCGCCGATGTTGG
GGGCCCGCTGCGCCAGCGCCGCGTGCAGGAGCTGTGTGCCAGCGCATCGTGGCCCGCT
GGTTCGCGAGAACCTGGCGCGCATCCCTCTTAACCCGGTACTCCGTGACTACCTGAGTTCCTTCCCTTC
CAGATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_009896.2](#), [NP_034026.1](#)

RefSeq Size: 1220 bp

RefSeq ORF: 639 bp

Locus ID: 12703

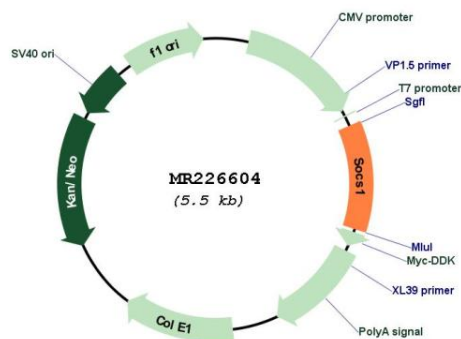
UniProt ID: [O35716](#)

Cytogenetics: 16 5.81 cM

MW: 23.7 kDa

Gene Summary: SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. SOCS1 is involved in negative regulation of cytokines that signal through the JAK/STAT3 pathway. Through binding to JAKs, inhibits their kinase activity. In vitro, also suppresses Tec protein-tyrosine activity (By similarity). Appears to be a major regulator of signaling by interleukin 6 (IL6) and leukemia inhibitory factor (LIF). Regulates interferon-gamma mediated sensory neuron survival. Probable substrate recognition component of an ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Seems to recognize JAK2 (By similarity). SOCS1 appears to be a negative regulator in IGF1R signaling pathway (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226604