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Product datasheet for MC217592

Socs5 (NM_019654) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Socs5 (NM_019654) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Socs5
Synonyms:	1810018L08Rik; Cish5; mKIAA0671
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC217592 representing NM_019654
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATAAAGTGGGGAAAATGTGGAACAACTTAAAATACAGATGCCAGAATCTCTTCAGCCACGAGGGAG
GAAGCCGTAATGAGAACGTGGAGATGAACCCCAACAGATGTCCGTCTGTCAAAGAGAAAAGCATCAGTCT
GGGAGAGGCAGCTCCCCAGCAAGAGAGCAGTCCCTTAAGAGAAAATGTTGCCTTACAGCTGGGACTGAGC
CCTTCCAAGACCTTTTCCAGGCGGAACCAAAACTGTGCCGCAGAGATCCCTCAAGTGGTTGAAATCAGCA
TCGAGAAAGACAGTGACTCGGGTGCCACCCCAGGAACGAGGCTTGCACGGAGAGACTCCTACTCGCGGCA
CGCCCCGTGGGGAGGAAAGAAGAAACATTCCTGTTCCACAAAGACCCAGAGTTCATTGGATACCGAGAAA
AAGTTTGGTAGAACTCGAAGCGGCCTTCAGAGGCGAGAGCGGCGCTATGGAGTCAGCTCCATGCAGGACA
TGGACAGCGTTTCTAGCCGCGCGGTCGGGAGCCGCTCCCTGAGGCAGAGGCTCCAGGACACGGTGGGTTT
GTGTTTTCCCATGAGAACTTACAGCAAGCAGTCAAAGCCACTCTTTTCCAATAAAAGAAAAATACATCTT
TCTGAATTAATGCTGGAGAAATGCCCTTTTCCTGCTGGCTCGGATTTAGCACAAAAGTGGCATTTGATTA
AACAGCATACCGCCCCTGTGAGCCCACACTCAACATTTTTTGATACATTTGATCCATCACTGGTGTCTAC
AGAAGATGAAGAAGATAGGCTTCGCGAGAGAAGACGGCTTAGTATCGAAGAAGGGGTGGATCCCCCTCCC
AACGCACAAATACACACCTTTGAAGCTACTGCACAGGTCAACCCATTGTATAAGCTGGGACCAAAGTTAG
CTCCTGGGATGACAGAGATAAGTGGAGATGGTTCTGCAATTCCACAAACGAATTGTGACTCAGAAGAGGA
TTCAACCACCCTATGTCTGCAGTCACGGAGGCAGAAGCAGCGCCAGGTGTCCGGGGACAGCCACGCGCAC
GTTAGCAGACAGGGAGCTTGGAAAGTTCATACGCAGATCGATTACATACACTGCCTCGTGCCAGATTTGC
TTCAGATCACAGGGAATCCCTGTTACTGGGGCGTGATGGACCGATACGAGGCCGAAGCCCTTCTAGAAGG
GAAACCGGAAGGCACGTTCTTGCTCAGGGACTCTGCACAGGAGGACTACCTCTTCTCTGTGAGCTTCCGC
CGCTACAACAGGTCTCTGCACGCCCGGATCGAGCAGTGGAACCACAACTTCAGCTTCGATGCCCATGACC
CCTGCGTGTTTCACTCCTCCACTGTCACGGGGCTTCTCGAACACTATAAAGACCCCAGCTCTTGCATGTT
TTTTGAACCGTTGCTAACGATATCACTGAATAGAACTTTCCCTTTCAGCCTGCAGTATATCTGCCGCGCA
GTGATCTGCAGATGCACTACGTATGATGGGATTGACGGGCTCCCGCTACCGTCGATGTTACAGGATTTTT
TAAAAGAGTATCATTATAAACAAAAAGTTAGGGTTCGCTGGTTAGAACGAGAACCAGTCAAAGCAAAGTA
A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_019654

Insert Size: 1611 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_019654.2, NP_062628.2
RefSeq Size:	4460 bp
RefSeq ORF:	1611 bp
Locus ID:	56468
UniProt ID:	O54928
Cytogenetics:	17 E4
Gene Summary:	SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. May be a 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 for instance EGF signaling by mediating the degradation of the EGF receptor/EGFR. Involved in the regulation of T-helper cell differentiation by inhibiting of the IL4 signaling pathway which promotes differentiation into the Th2 phenotype. Can also partially inhibit IL6 and LIF signaling.[UniProtKB/Swiss-Prot Function]