

Product datasheet for **MG208589**

Socs5 (BC053015) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Socs5 (BC053015) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Socs5
Synonyms:	1810018L08Rik; Cish5; mKIAA0671
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208589 representing BC053015
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGATAAAGTGGGAAAATGTGGAACAACTTAAAATACAGATGCCAGAATCTCTTCAGCCACGAGGGAG
 GAAGCCGTAATGAGAACGTGGAGATGAACCCCAACAGATGTCCGTCTGTCAAAGAGAAAAGCATCAGTCT
 GGGAGAGGCAGCTCCCCAGCAAGAGAGCAGTCCCTTAAGAGAAAATGTTGCCTTACAGCTGGGACTGAGC
 CCTTCCAAGACCTTTTCCAGGCGGAACAAAATGTGCCGAGAGATCCCTCAAGTGGTTGAAATCAGCA
 TCGAGAAAAGACAGTACTCGGGTCCACCCAGGAACGAGGCTTGACGGAGAGACTCCTACTCGCGGCA
 CGCCCCGTGGGAGGAAAGAAGAAACATTCTGTTCCACAAGACCCAGAGTTCATTGGATACCGAGAAA
 AAGTTTGGTAGAACTCGAAGCGGCCTTCAGAGGCGAGAGCGGCGCTATGGAGTCACTCCATGCAGGACA
 TGGACAGCGTTTCTAGCCGCGCGGTCCGGAGCCGCTCCCTGAGGCAGAGGCTCCAGGACACGGTGGGTTT
 GTGTTTTCCCATGAGAATTACAGCAAGCAGTCAAAGCCACTCTTTTCCAATAAAAGAAAATACATCTT
 TCTGAATTAATGCTGGAGAAATGCCCTTTTCTGCTGGCTCGGATTTAGCACAAAAGTGGCATTTGATTA
 AACAGCATACCGCCCTGTGAGCCCACTCAACATTTTTTATACATTTGATCCATCACTGGTGTCTAC
 AGAAGTGAAGAAGATAGGCTTCGCGAGAGAAGACGGCTTAGTATCGAAGAAGGGGTGGATCCCCCTCCC
 AACGCACAAAATACACACCTTTGAAGTACTGCACAGGTCAACCCATTGTATAAGCTGGGACCAAAGTTAG
 CTCCTGGGATGACAGAGATAAGTGGAGATGGTTCTGCAATTCACAAAAGAAATTGTACTCAGAAGAGGA
 TTCAACCACCTATGCTGCAGTACGGAGGCAGAAGCAGCGCCAGGTGTCCGGGACAGCCACGCGCAC
 GTTAGCAGACAGGAGCTTGGAAAGTTCATACGCAGATCGATTACATACACTGCCTCGTCCAGATTTGC
 TTCAGATCACAGGGAATCCCTGTTACTGGGGCGTGATGGACCGATACGAGGCCGAAAGCCCTCTAGAAG
 GAAACCGGAAGGCAGTTCTTGCTCAGGGACTCTGCACAGGAGGACTACCTCTTCTCTGTGAGCTTCCGC
 CGCTACAACAGGTCTCTGCACGCCCGGATCGAGCAGTGAACCAACTTCAGCTTCGATGCCCATGACC
 CCTGCGTGTTCCTCCTCCACTGTACGGGGCTTCTCGAACACTATAAAGACCCAGCTTTGCATGTT
 TTTTGAACCGTTGCTAACGATATCACTGAATAGAACTTTCCCTTTCAGCCTGCAGTATATCTGCCGCGCA
 GTGATCTGCAGATGCACTACGTATGATGGGATTGACGGGCTCCCCTACCGTCGATGTTACAGGATTTT
 TAAAGAGTATCATTATAAACAAAAGTTAGGGTTCGCTGGTTAGAACGAGAACCAGTCAAAGCAAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208589 representing BC053015
 Red=Cloning site Green=Tags(s)

MDKVGKMWNNLKYRCQNLFSHEGGSRNENVEMNPNRCPVKEKISLGEAAPQQESSPLRENVALQLGLS
 PSKTFSTRNQCAAEIPQVVEISIEKSDSGATPGTRLARRDSYSRHAPWGGKKKHSCSTKTQSSLDTEK
 KFGRTSGLQRRERRRYGVSSMQDMSVSSRAVGSRLRQLQDTVGLCFPMRTYSKQSKPLFSNKRKIHL
 SELMLEKCPFPAGSDLAQKWHLIKQHTAPVSPHSTFFDTFDPSTLSTEDDEEDRLRERRRLSIEEGVDPPP
 NAQIHTFEATAQVNPLYKLGPKLAPGMTEISGDGSAIPQTNCDSEEDSTLCLQSRQKQRQVSGDASHAH
 VSRQGAWKVHTQIDYIHCLVPDLLQITGNPCYWGVMRYEAEALLEGKPEGTFLLRDSAQEDYLFVSVFR
 RYNRSLHARIEQWNHNSFDAHDPCVFHSSVTGLLEHYKDPSSCMFFPELLTISLNRTFFPSLQYICRA
 VICRCTTYDGLPLPMLQDFLKEYHYKQKVRVRLEREPVKAK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

ACCN:	BC053015
ORF Size:	1610 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	BC053015 , AAH53015
RefSeq Size:	4460 bp
RefSeq ORF:	1610 bp
Locus ID:	56468
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]