

Product datasheet for **MG203328**

Cish (NM_009895) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cish (NM_009895) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cish
Synonyms:	Cis; CIS-1; CIS1; F17; F23; SOCS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203328 representing NM_009895 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCTCTGCGTACAGGGATCTTGCTCTTTGCTGGCTGTGGAGCAAATTGGGCGGCGCCTCTGTGGG
CCCAGTCCCTGGAGCTGCCCGGCCAGCCATGCAGCCCTTACCCACTGGGGCATTCCCAGAGGAAGTGAC
AGAGGAGACCCCTGTCCAGGCAGAGAATGAACCGAAGGTGCTAGACCCTGAGGGGATCTGCTGTGCATA
GCCAAGACGTTCTCCTACCTTCGGGAATCTGGGTGGTACTGGGGTCTATTACAGCCAGCGAGGCCCGGC
AGCACCTACAGAAGATGCCGGAGGTACATTCTAGTTCGAGACAGCACCCACCCAGCTACCTGTTTAC
ACTGTCAGTCAAACACCCGTGGCCCCACCAAGTGCAGTACGCGGATTCGAGTACGCGGATTCGAGTCCGCTG
GACTCTAACTGCTTGCAAGACCTCGAATCCTGGCCTTCCAGATGTGGTCTGTCAGCCTGTGTCAGCACTATG
TGGCCTCTGTGCAGCTGACACCCGGAGCGACAGCCCGGATCCTGCTCCCACCCAGCCCTGCCTATGTC
TAAGCAAGATGCACCTAGTGACTCGGTGCTGCCTATCCCCGTGGCTACTGCAGTGACCTGAAACTGGTG
CAGCCCTTTGTGCGCAGGAGCAGTGCCCGCAGCTTACAACATCTGTGCGGCTAGTCATCAACCGTCTGG
TGGCCGACGTGGACTGCTTACCCTGCCCGGCGTATGGCCGACTACCTCCGACAGTACCCTTCCAAC
C

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203328 representing NM_009895
Red=Cloning site Green=Tags(s)

MVLCVQGSCPLLAVEQIGRRPLWAQSLLELPGPAMQPLPTGAFPEEVTEETPVQAENEPKVLDPEDLLCI
 AKTFSYLRESGWYWGSITASEARQHLQKMPEGTFLVRDSTHPSYLFLLSVKTTTRGPTNVRIEYADSSFRL
 DSNCLSRPRILAFPDVSLVQHYVASCAADTRSDSPDPAPTPALPMSKQDAPSDSVLPPIPVATAVHLKLV
 QPFVRRSSARSLQHL CRLVINRLVADVCLPLPRRMADYLRQYPFQL

TRTRPLE - GFP Tag - V

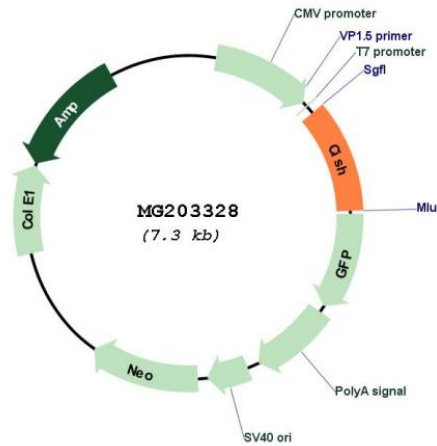
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_009895

ORF Size: 771 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:	NM_009895.1
RefSeq Size:	2161 bp
RefSeq ORF:	774 bp
Locus ID:	12700
UniProt ID:	Q62225
Cytogenetics:	9 57.99 cM
Gene Summary:	SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. CIS is involved in the negative regulation of cytokines that signal through the JAK-STAT5 pathway such as erythropoietin, prolactin and interleukin 3 (IL3) receptor. Inhibits STAT5 trans-activation by suppressing its tyrosine phosphorylation. 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 (By similarity).[UniProtKB/Swiss-Prot Function]