

Product datasheet for **MG226681**

Trim8 (NM_053100) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim8 (NM_053100) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trim8
Synonyms:	AA408830; BB006755; GERP; Rnf27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG226681 representing NM_053100
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGAGAATTGGAAGAACTGCTTTGAGGAGGAGCTCATCTGCCCATCTGCCTGCACGTTTTCTGTGG
 AACCGGTGCAGCTGCCATGCAAACATAACTTCTGCCGGGCTGCATCGGGGAGGCTTGGCCAAGGACAG
 TGGCCTTGTGCGCTGCCCGGAGTCAACACAGCCCTACAATCAGAAGCCGGCCTGGAGAAGAACCTGAAG
 CTCACCAACATCGTGGAGAAGTTCAACGCCCTGCACGTGGAGAAGCCGCCGACGGCACTGCACTGCGTGT
 TCTGTGCGCGGCCCGCTGCCGGCACAGAAGGTCTGCCTGCGCTGCGAGGCTCCCTGCTGCCAGTC
 TCACGTGCAGACGCACCTGCAGCAGCCCTCCACCGCCCGGGCACCTCCTGGTGGAGGCGGACGACGTG
 CGGGCCTGGAGCTGCCCGCAGCACAACGCCCTACCGCTGTACCACTGCGAGGCGGACGAGTGGCTGTGT
 GCCAGTACTGCTGCTACTACAGCGCGCGCATCAGGGACTCGGTGTGTGACGTGGAGATACGGAGGAA
 TGAGATACGGAAGATGCTCATGAAGCAGCAGGAGCGGCTGGAGGAGAGAGCAGGACATTGAGGACCAG
 CTGTACAAGCTCGAGTCAGACAAGCGCCTGGTGGAGGAGAAAGTGAAGCCAGCTGAAGGAGGAGGTGCCGC
 TGCACTACGAAAAGCTGCACCAGCTGCTGGATGAAGACTTGCGGCAGACAGTGGAGGTCCTGGACAAGGC
 GCAAGCCAAGTTCTGCAGCGAGAACCGGGCGCAGGCGCTGCACCTTGGGGAGCGCATGCAGGAGGCCAAG
 AAGCTGCTGGGCTCCCTGCAGCGTCTCTTCGACAAGACAGAGGACGTGGCTTCAAGAACAACCAAGT
 CTGTGAAAATCCTAATGGACAGGACCCAGACCTGCACGGGCGCAGCCTTTCTCCCCCTAAGATCGGCCA
 CCTGAACCTCAAGCTGTTCTGAACGAGGTGGCCAAGAAGGAGAAGCAGTTGCGGAAGATGCTAGAAGGT
 CCCTTACGACACCCGGTGCCTTCTACAGAGCGTACCCCTGTACCCTTGTGGTGAACAGCTCTGGGG
 CCGAAAAGCGCAAGCACTGCAGCAGCTTCCCTGAGGCTAGCTTCTGGAGACTTCGTAGGCCCAAGTGGG
 CGGCCAGTACGGGGCAGCGGGCACAGCCAGCAGGAGGGGCACTGTTGGCAGCCCTGGTCCCTGCAGC
 TCCACGCAGCACTTGGTGGCTCTGCCAGGCGGTACCCAGCCAGTACACTCGAGTCCCGTGTTCCTCCCTT
 CGCAGTACCCCAACGGCTCCACCACCCAGCAACCCATGCTCCCCAGTATGGCGGCCGAAGATTCTCGT
 CTGTTCTGTGGACAACCTGTTACTGCTCTTCCGTGGCCAACCACGGTGGCCACCAGCCGTACCCCGATCC
 GGCCACTTCCCTGGACAGTGCCTCACAGGAGTATTACACCCACTTCCACCCACACCTCCGTCCTC
 AGTCACTTCTGGCTGGCGGTGAGAGACTGGCTCGACGCTTCTCAGCAGCTGGCCACCAGGATTCTA
 CAGGGTGTATGGCAGCCGTCCACAAACTATGTGACAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG226681 representing NM_053100
 Red=Cloning site Green=Tags(s)

MAENWKNCFEELICPICLHVFVEPVQLPCKHFCRGCIGEAWAKDSSLVRCPECNQAYNQKPLEKLNK
 LTNIVEKFNALHVEKPPALHCVFCRRGPPLPAQKVCLRCEAPCCQSHVQTHLQQPSTARHLLVEADDV
 RAWSCPQHNAAYRLYHCEAEQVAVCQYCCYYSGAHQGHVCDVEIRRNEIRKMLMKQERLEEREQDIEDQ
 LYKLESDKRLVEEKVSQLKEEVRQLQYELHQLLDEDLRQTVEVLDKAQAKFCSENAQAHLGERMQEAK
 KLLGSLQRLFDKTEDVGFMKNTKSVKILMDRTQTCTGSSLSPPKIGHLNSKLFLENAKKEKQLRKMLEG
 PFSTPVPFLQSVPLYPGCVNSSGAEKRRKSTAFPEASFLETSSGPVGGQYGAAGTASSEGSQPLGPCS
 STQHLVALPGGTQPVHSSPVFPPSQYPNGSTTQQPMLPQYGRKILVCSVDNCYCSSLVANHGGHQPYP
 GHFPWTVPVPSQYSHPLPPTSPVQSLPGLAVRDWLDASQQPGHQDFYRVYGPSTKHVYTS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_053100

ORF Size: 1653 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:

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_053100.2](#), [NP_444330.2](#)

RefSeq Size: 3262 bp

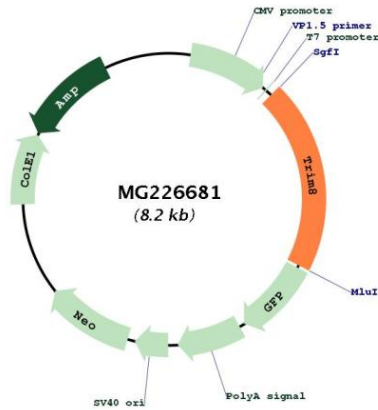
RefSeq ORF: 1656 bp

Locus ID: 93679

UniProt ID: [Q99PJ2](#)

Cytogenetics: 19 C3
 Gene Summary: Probable E3 ubiquitin-protein ligase which may promote proteasomal degradation of SOCS1. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG226681