

Product datasheet for **MG208148**

Trim31 (NM_146077) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim31 (NM_146077) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trim31
Synonyms:	BC026666; HCG1; HCGI; RNF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208148 representing NM_146077
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAGGCCAACCTCTGGCCTGCCAACTGCAGGAGGAGGTGACCTGCCCATCTGCATGGAATTCTAC
 AAGATCCTGTCAACATTGACTGTGGGCACAACCTCTGCCTGCAGTGTATCAGTCAGGTTGAAAAACGTC
 AGAAAAGATCCAATGTCCTCTCTGCAAACCTCTCTGTGAATAAGAATACGTTACAGGCCAATAAGCTGCTG
 GCTAGTCTTGAGAGAAGATCCAAGTATGGATCCTGCTGACATCCAAGCAGAAAAGGAAGACTCAAGAT
 GTCAGAGGCACAAGGAAAAGCTACATTACTTCTGCGAGCAGGATGGGGCATTCTCTGTGTGGTGTGTCG
 TGACTCCAAGGACCACAAGTCTCACAATGTCACCTTGATAGATGAGGCTGCCCAGAACTACAAGGTGCAG
 ATTGAGTCACAGGCCAAGATTTGGGGCAAAGGACAAGAAAATAATTGAAGAGAAAAACAAGGTGAAG
 GGGCAATCTGGCGTTTCAGGGCCAGGTGGATCTAGAGAACTAAAGATCCATGAGGAATCAAGCTCCT
 GCGCCAGAGACTAGATGAGGAAGAGAGTTTCTCTGTCCAGGCTGGACTGGCTGGAGCAGCAGGGAGCC
 AAGCAGTTGAGACAATATGTCACCTGTGACAGAGAAGCAGCTGAACTCTCTAAGGAAGCTCAATAAATCCT
 TGAAAATAAGGCTGCAATCATATCCATGGAGCTACTAAAGGACATTAAGAGCGCCTTGAGCAGGGGTAA
 GGAATTTCAAGTTTCTCAACCCAAACCCAGTTTCTGAGGACCTGGAGAAAAATGCAGTGAAGCAAAAGCA
 AGGCATGAGTCCATCATAAAAACCTGACAGAAGCTCAAAGACGATATGAATGCCGAAGGGAAGAGAGATA
 AAAGCGCATTATGAACAGCCTGAATAAAGAAGAAAAGGAGAGCTGGAGCCTGTTACAGAAGAATAATTC
 AGTGTGGCCACCTCAGTCCCTGTGACCCTGGACAAGTCTCAGCTGACCAGACCTCACCTTTTCTCAG
 GATCTAAAGAAAGTGACCTTGTATTTAGCTGGAAAAGCTTCCAATAGGCAGGCAAAACCTCGACCAT
 TCTACCTTTCCACTGTGTGAGGGGTTCCCGAGCCTCTCTCAGGCCCGCAGGTGTGGGAGCAGAAAT
 CCGGGGGCCCTCAGGTGGGGCATGCATTTGGGGTGGTTACAGAGTTGGCGCGAGGGGCCAGAGTCAA
 ACCGTGAGCGCGCAGAGCTACATATGGGCACTGCGGATCTCGCCCTCTGGATGCCAGCCATTACCAATT
 GTAAGGCCAGGAGTACCTCCAGGTCTGTCTTAAGAAAGTGGGTGTCTATGTGAATCATGACTGTGGAGA
 GGTGCTTCTATGATGCCATCACTAGCAAACACATCTATACTTTCAAACCTTCTTTGACGGGAAGGTC
 TTCCCTTTTTCGGGCTCCAAGTTGCCTGCAGCCATATCACCTGAGCCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208148 representing NM_146077
 Red=Cloning site Green=Tags(s)

MAGQPLACQLQEEVTCPICMELQDPVTIDCGHNFCLQCISQVGKTSEKIQCPCLKLSVKNKNTFRPNKLL
 ASLAEKIQSMDPADIQAEEKDSRCQRHKEKLHYFCEQDGAFLCVVCRDSKDHKSHNVTLIDEEAQNYYKVQ
 IESQAQDLGQKDKKIIIEKKQGEAIWAFRAQVDLEKLIHEEFKLLRQRLDEEESFLLSRLDWLEQQGA
 KQLRQYVTVEKQLNSLRKLTSLKIRLQSSMELLKDIKDALSARGKEFQFLNPNVPEDLEKKCSEAKA
 RHESIIKTLTELKDDMNAEGKRDKSAFMNSLNKEEKESWSLLQKNNSVLPTSVPTLTKSSADPDLTFSQ
 DLKKVTLIVAGKASNRQAKPRPFYFHCVRGSPGLSSGRQVWEAEIRGPPSGGACIVGVVTELAGAQSQ
 TVSAQSYI WALRISPSGCQPFNTCKAQEYLQVCLKKVGVVYVNHDCGEVVFYDAITSKHIYTFQTSFDGKV
 FPLFGLQVACSHITLSP

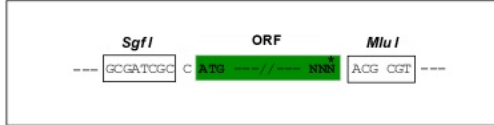
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



EcoRI
BamHI *KpnI*
RBS
Kozac
Consensus
SgfI
AscI

CTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGCCAGATCT

HindIII
NheI *RsrII*
MluI
NotI
XhoI
GFP Tag

CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---

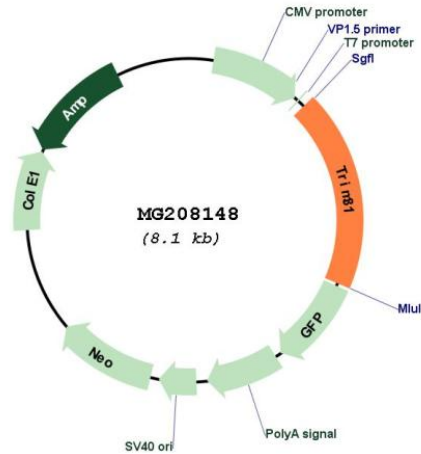
T R T R P L E
M E S D - - -

PmeI
FseI

--- --- GAA GAA AGA GTT TAA ACGGCCGGCCGGGAGCT

- - - E E R V Stop

Plasmid Map:



ACCN: NM_146077

ORF Size: 1521 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_146077.2](#), [NP_666189.1](#)

RefSeq Size: 2248 bp

RefSeq ORF: 1524 bp

Locus ID: 224762

UniProt ID: [Q8R0K2](#)

Cytogenetics: 17 B1

Gene Summary: May have E3 ubiquitin-protein ligase activity (By similarity). Regulator of Src-induced anchorage independent cell growth.[UniProtKB/Swiss-Prot Function]