

Product datasheet for **MG204263**

Tcrb (BC030075) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Tcrb
Synonyms:	BV13S1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG204263 representing BC030075
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGGCATCCAGACCCTCTGTTGTGTGATCTTTATGTTCTGATAGCAAATCACACAGATGCTGGAGTTA
CCCAGACACCCAGACATGAGGTGGCAGAGAAAGGACAAACAATAATCCTGAAGTGTGAGCCAGTTTCAGG
CCACAATGACCTTTTCTGGTACAGACAGACCAAGATACAGGGACTAGAGTTGCTGAGCTACTTCCGCAGC
AAGTCTCTTATGGAAGATGGTGGGCTTTCAAGGATCGATTCAAAGCTGAGATGCTAAATTCATCCTTCT
CCACTCTGAAGATTCAACCTACAGAACCCAAGGACTCAGCTGTGTATCTGTGTGCCAGCAGTTGGGGGCA
AGACACCCAGTACTTTGGGCCAGGCACTCGGCTCCTCGTGTAGAGGATCTGAGAAATGTGACTCCACCC
AAGGTCTCCTTGTGAGCCATCAAAGCAGAGATTGCAAACAAACAAAGGCTACCCTCGTGTGCTTGG
CCAGGGGCTTCTTCCCTGACCACGTGGAGCTGAGCTGGTGGTGAATGGCAAGGAGGTCCACAGTGGGT
CAGCACGGACCCTCAGGCCTACAAGGAGAGCAATTATAGCTACTGCCTGAGCAGCCGCTGAGGGTCTCT
GCTACCTTCTGGCACAATCCTCGAAACCACTTCCGCTGCCAAGTGCAGTTCCATGGGCTTTAGAGGAGG
ACAAGTGGCCAGAGGGCTCACCAACCTGTACACAGAACATCAGTGCAGAGGCTGGGGCCGAGCAGA
CTGTGGAATCACTTCAGCATCTATCATCAGGGGTTCTGTCTGCAACCATCCTCTATGAGATCCTACTG
GGGAAGGCCACCTATATGCTGTGCTGGTCACTGGCCTGGTGTGATGGCCATGGTCAAGAAAAAATT
CC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG204263 representing BC030075
 Red=Cloning site Green=Tags(s)

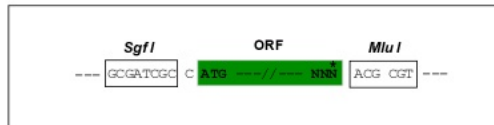
MGIQTLCCVIFYVLIANHTDAGVTQTPRHEVAEKQTIIKCEPVSGHNDLFWYRQTKIQGLELLSYFRS
 KSLMEDGGAFKDRFKAEMLNSSFSTLKIQPTPKDSAYVLCASSWQDQYFGPGTRLLVLEDLRNVTPP
 KVSLEFPSKAEIANKQKATLVCLARGFFPDHVELSWVWNGKEVHSGVSTDPQAYKESNYSYCLSSRLRVS
 ATFWHNPRNHFRCQVQFHGLSEEDKWPEGSPKPVTONISAEAWGRADCGITSASYHQGVLSATILYEILL
 GKATLYAVLVSGLVLMAMVKKKNS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCGCCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

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

HindIII NheI RsrII MluI NotI XhoI GFP Tag

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

--- GAA GAA AGA GTT TAA ACGGCCGGCCGCGAGCT

- - E E R V Stop

ACCN: BC030075

ORF Size: 912 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC030075](#)

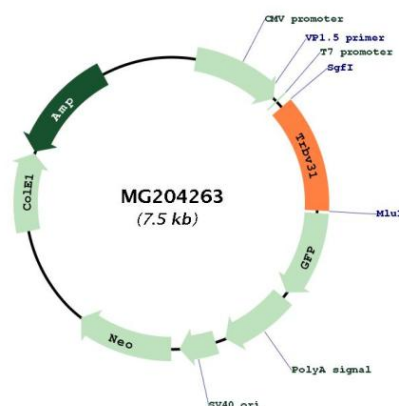
RefSeq Size: 1125 bp

RefSeq ORF: 914 bp

Locus ID: 269846

Cytogenetics: 6 19.71 cM|6 B1

Product images:



Circular map for MG204263