

Product datasheet for **MR204048**

Tcrb (BC034887) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcrb (BC034887) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tcrb
Synonyms:	BV13S1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204048 representing BC034887 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCTTGGGTGTTAGTGCTCAGACTATCCATCAATGGCCAGTTGCCGAGATCAAGGCTGTGGGCAGCC
 CACTGTCTCTGGGGTGTACCATAAAGGGGAAATCAAGCCCTAACCTCTACTGGTACTGGCAGGCCACAGG
 AGGCACCCTCCAGCAACTCTTCTACTCTATTACTGTTGGCCAGGTAGAGTCGGTGGTGAACCTGAACCTC
 TCAGCTTCCAGGCCGAAGGACGACCAATTCATCCTAAGCACGGAGAAGCTGCTTCTCAGCCACTCTGGCT
 TCTACCTCTGTGCTGGAGTCTACTGGGGGGGGGGTGCAGAAACGCTGTATTTTGGCTCAGGAACCAG
 ACTGACTGTTCTCGAGGATCTGAGAAATGTGACTCCACCCAAGGTCTCCTGTTTGAGCCATCAAAAGCA
 GAGATTGCAAAACAAACAAAGGCTACCCTCGTGTGCTTGCCAGGGGCTTCTCCCTGACCACGTGGAGC
 TGAGCTGGTGGGTGAATGGCAAGGAGGTCCACAGTGGGGTCAGCACGGACCCTCAGGCCTACAAGGAGAG
 CAATTATAGCTACTGCCTGAGCAGCCGCTGAGGGTCTCTGCTACCTTCTGGCACAATCCTCGAAACCA
 TTCCGCTGCCAAGTGCAGTTCATGGGCTTTCAGAGGAGGACAAGTGGCCAGAGGGCTCACCCAAACCTG
 TCACACAGAACATCAGTGCAGAGGCCTGGGGCCGAGCAGACTGTGAATCACTTCAGCATCCTATCATCA
 GGGGTTCTGTCTGCAACCATCTCTATGAGATCTACTGGGGAAGGCCACCCTATATGCTGTGCTGGTC
 AGTGGCCTGGTGTGATGGCCATGGTCAAGAAAAAATTCC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR204048 representing BC034887
 Red=Cloning site Green=Tags(s)

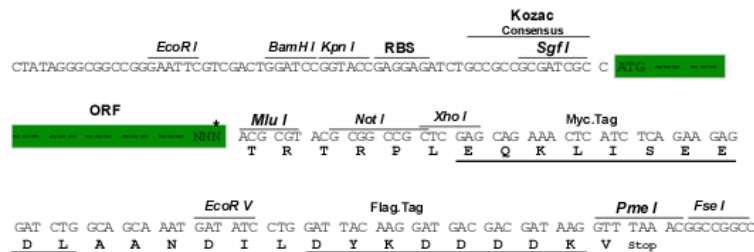
MFLGVSAQTIHQWPVAEIKAVGSPLSLGCTIKGKSSPNLYWYQATGGTLQQLFYSITVGQVESVVLNL
 SASRPKDDQFILSTEKLLLSHSGFYLCAWSLLGGGAETLYFGSGTRLTVLEDLRNVTPPKVSLFEP
 SKAEIANKQKATLVCLARGFFPDHVELSWWVNGKEVHSGVSTDPQAYKESNYSYCLSSRLRV
 SATFWHNPRNH FRCQVQFHGLSEEDKWPEGSPKPVTONISAEAWGRADCGITSASYHQVLSATILYEILLGKATLYAVLV
 SGLVLMAMVKKKNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC034887

ORF Size: 882 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: [BC034887](#)

RefSeq Size: 1231 bp

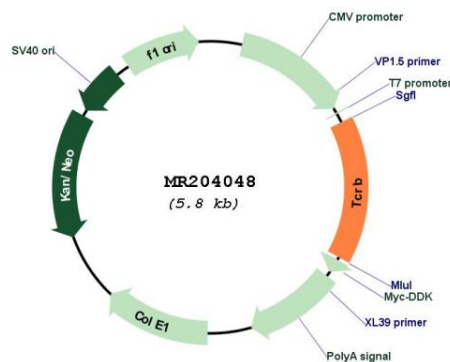
RefSeq ORF: 884 bp

Locus ID: 269846

Cytogenetics: 6 19.71 cM|6 B1

MW: 45.1 kDa

Product images:



Circular map for MR204048