

Product datasheet for MR203803

Tra2a (NM_198102) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tra2a (NM_198102) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tra2a
Synonyms:	1500010G04Rik; AL022798; G430041M01Rik; mAWMS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203803 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGATGTAGAGGAGAACAACCTTCGAGGGCAGAGAGTCTCGCTCTCAGTCAAATCTCCAACGGGAA
CTCCTGCTCGTGTAAAATCAGAGAGCAGGTCAGGATCTCGTAGTCCATCACGGGTGTCCAAACATTCTGA
ATCCCATCTCGATCAAGATCAAAGTCCAGATCAAGGTCAGGAGGCATTTCGCATAGACGCTACACTCGA
TCCAGGTCACACTCTCATAGGAGACGATCTCGGAGTAGGTCTATACACCCGAGTATAGGCGCGGAGGA
GCCGGAGTCACTCTCAAATGTCTAATCGCAGAAGGCATACTGGAAGCAGGGCAAACCCAGATCCCAACAC
TTGCTTGGGAGTATTTGGCCTCAGTTTGTACACAACAGAGAGAGATCTTCGTGAAGTGTTTTCTCGATAT
GGACCTCTGAGTGGTGAATGTAGTTTATGATCAGCGAACTGGGAGGTCACGTGGATTTGCTTTTGTGT
ATTTTGAGAGAATAGATGACTCTAAGGAGGCTATGGAGAGAGCAAATGGGATGGAGCTGGACGGTAGAAG
AATCCGTGTGGATTATCTATCACCAAGAGAGCGCACACCCACACCAGGCATTTACATGGGCAGACCA
ACTCACAGCGGTGGTGGAGGTGGCGGAGGAGGAGGTTGGCGGAGGAGGAGGTTGGCGGTGGTAGAC
GACGAGATTCTTACTACGATAGAGGATATGATCGAGGCTATGACAGATACGAAGATTATGATTACCGAAG
AAGGTCACCCTCTCCTTACTACAGTCGCTACAGGTCACGATCGAGATCCCGTTCTATAGTCCAAGACGC
TAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203803 protein sequence
 Red=Cloning site Green=Tags(s)

MSDVEENNFEGRSRSQSKSPTGTPARVKSESRSGSRSPSRVSKHSESHSRSRKSRSRSRRHSHRRYTR
 SRSHSHRRRSRSRYTPEYRRRRSRSHSPMSNRRRHTGSRANPDNCLGVFGLSLYTTTERDLREVFSTRY
 GPLSGVNVVYDQRTGRSRGFVYFERIDDSKEAMERANGMELDGRRIRVDSITKRAHTPTPGIYMGRP
 THSGGGGGGGGGGGGGGGGGRRRDSYDRGYDRGYDRYEDYDRRRSPSPYYSRYRSRSRSRSYSPRR
 Y

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_198102

ORF Size: 846 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_198102.1

RefSeq Size: 1839 bp

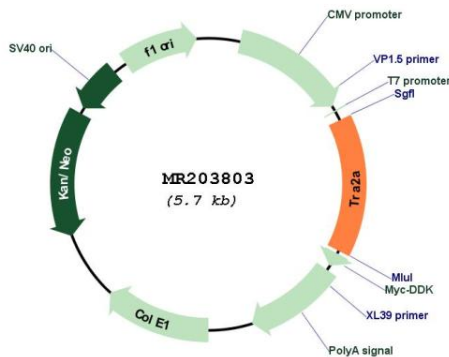
RefSeq ORF: 849 bp

Locus ID: 101214

Cytogenetics: 6 B2.3

MW: 32.3 kDa

Product images:



Circular map for MR203803