

## Product datasheet for **MR203050**

### **C14orf166 (Rtraf) (NM\_026528) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C14orf166 (Rtraf) (NM_026528) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rtraf
Synonyms:	2700060E02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203050 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGTTCCGACGCAAGCTCACGGCCCTGGATTACCACAACCCCTCAGGCTTCAACTGCAAAGATGAAACAG  
AATTTAGAACTTTATCGTTTGGCTTGAAGACCAGAAAATCAGACACTACAAGATTGAAGACAGAGGTAA  
CTTGAGAAACATCCACAGCAGTGACTGGCCCAAGTTCTTTGAAAAGTATCTCAAAGATGTTAACTGTCT  
TTCAAGATT CAGGATCGGCAAGAAGCGATTGACTGGCTTCTTGGTTTAGCTGTTAGACTTGAATATGGAG  
ATAACGCTGAAAATACAAGGACTTAGTACCTGATAACAGGAAAATACTGACAACGCAGCTAAAAATGC  
AGAGCCACTGATCAACTTGGATGTAATAATCCTGATTTAAGGCGGGTGTATGGCTCTGGCTAACCTC  
CTTCAGATT CAGCGTCATGATGACTACTTGGTAATGCTTAAGGCAATTCGCATTTTGGTT CAGGAACGTC  
TAACACAGGATGCAGTTGCTAAAGCAAATCAAACAAAAGAGGGCTTACCTGTTGCTTTAGAGAAACATAT  
TCTTGGCTTTGACACAGGCGATGCAGTTCTTAATGAAGCTGCTCAGATCCTGCGGTTGCTGCACATAGAA  
GAGCTCAGAGAGCTACAGACAAAATTAATGAAGCCATAGTAGCCGTCCAGGCCATCATTGCTGATCCAA  
AGACAGACCACAGACTGGGAAAAGTTGGGAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203050 protein sequence  
Red=Cloning site Green=Tags(s)

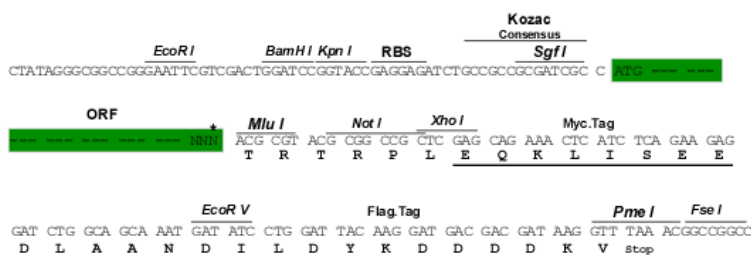
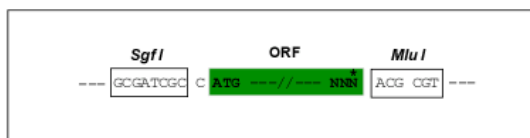
MFRRKLTALDYHNPSGFNCKDETEFRNFIVWLEDQKIRHYKIEDRGNLRNIHSSDWPKFFEKYLKDVNCP  
 FKIQDRQEAI DWLLGLAVRLEYGDNAEKYKDLVPDNRKNTDNAAKNAEPLINLDVNNPDFKAGVMALANL  
 LQIQRHDDYL VMLKAIRILVQERLTQDAVAKANQTK EGLPVALEKHILGFDTGDAVLNEAAQILRLHLIE  
 ELRELQTKINEAIVAVQAI IADPKTDHRLGKVGR

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\_026528

**ORF Size:** 735 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\\_026528.1](#), [NM\\_026528.2](#), [NM\\_026528.3](#), [NP\\_080804.1](#)

**RefSeq Size:** 1510 bp

**RefSeq ORF:** 735 bp

**Locus ID:** 68045

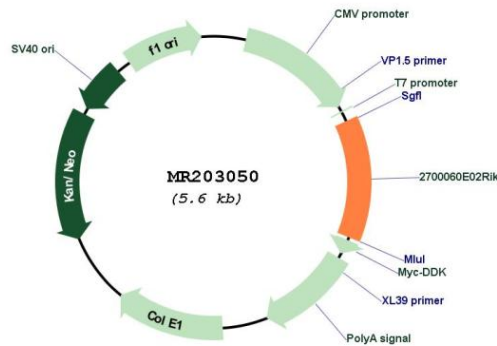
**UniProt ID:** [Q9CQE8](#)

**Cytogenetics:** 14 A3

**MW:** 28.2 kDa

**Gene Summary:** RNA-binding protein involved in modulation of mRNA transcription by Polymerase II. Component of the tRNA-splicing ligase complex and is required for tRNA ligation. May be required for RNA transport.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR203050