

## Product datasheet for **RR208978**

### Tor3a (NM\_001009683) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tor3a (NM\_001009683) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tor3a  
**Synonyms:** MGC105766  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR208978 representing NM\_001009683  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTTTTTGGCGCTTTCTGGTTGTTGCTGCTGCTGCTGCTGCCCGCTGCGCCCCGGGAGCGCAGG  
 GCCACCGGGTGCCAAGAGCCCCGAGCAGGAGGCCGACGAGCCATCCCTGGCCAAGCATCCAACGCCT  
 GCGGGAGCAGCTGAGGACGGCCGGACCCTCTCCAACGGTACTGGGCGCTTTCAGCTGCACCTTGTGG  
 CCGGATCACTGTGAAGATCAGGAGACCCCGTGC CGCCTCTGGGCTGGAGCCTTCTCTGTGGGGCCGGC  
 GGTGCTGGATATGCTCACTTTCATGGTTCTGCCGCTTTCAGGACTGCTGCAGCGCGGAAACTGCAGGAT  
 CTCCAACAACCTCACAGGCTTAGAATCAGACCTTCGTGTGCGACTGCATGGCCAGCATCTCGTAGCAAG  
 CTGGTCTTAGAAGCAGTGAAGGGTACTTAGAGATGCCCAAGTTGGCAAGGCTCTGGCTCTGTCATTCC  
 ACGGCTGGTCTGGCACAGGCAAGAACTTCGTGGCACGGATGCTGGTGGACAACCTGTATCGGGACGGAAT  
 GAGGAGTGACTGTGCAAGATGTTTATCTCTACCTTCCATTTCCACACCCCAAGTATGTGGACTTATAT  
 AAGCGGAGAAGCTGCACCCGGGGCTACTGGAGCTGCTTGAACCTACCTGGAACCGAGGAGCCCCGAGAG  
 CCATGGAGCTGAGCTGCCAGAGCCATCTTCTCTCTCAGTAACCTTGGGGGCGAGTGTATCAATGAG  
 GTGGTCTAGGTTTGCTCAAGGCTGGATGGTCCAGGGAGGAAATTACGTTGCAGCACTTGGAGATGCCCC  
 TTCAGGCTGAGATCATAAAGTCTGCAGACAGCAGCTTTGGCTCCAGCCGCTCTCCTGAAGAAACACCTTAT  
 TGATCTCTTTATCCCCTTCTGCCACTGGAGTACCGCCATGTGAGGCTGTGTGTCGAGATGCCTTCTCTG  
 GGCCAGGATCTCCATACACAGAAGAGGCCCTGGATGAAATTGCCAAGATGATGACATACGTCCTGAGG  
 AAGAGCAGCTTTCTCTCTCAGGGTTGCAATCCATTTCCAGAGAATCAACCTTGTCTTGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR208978 representing NM\_001009683  
 Red=Cloning site Green=Tags(s)

MFFGAFWLLLLLLLPLRPPGAQGHGAKSPEQEADPEIPWPSIQRLREQLRTAGTL SKRYWALF SCTLW  
 PDHCEDQETPVPLGWSLPLWGRRSLDMLTSWFCRFQDCCSAGNCRI SNNFTGLES DLRVRLHGQHLASK  
 LVLEAVKGYLEMPQV GKALALSFHGWSGTGKNFVARMLVDNLYRDGMRSDCVKMFISTFHFHPKYVDLY  
 KEDLQRQMQETQRRCQQSTFFVFDEAEK LHPGLLELLEPYLEPRSPETHGAELPRAIFLLLSNLGGSVINE  
 VVLGLLKAGWSREEITLQHLEMP LQAEI IKSADSSFSSRLLKKHLIDLFI PFLPLEYRHRVRLCVRDAFL  
 GQDLPYTEEALDEIAKMMTYVPEEEQLFSSQGCKSISQRINLVLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

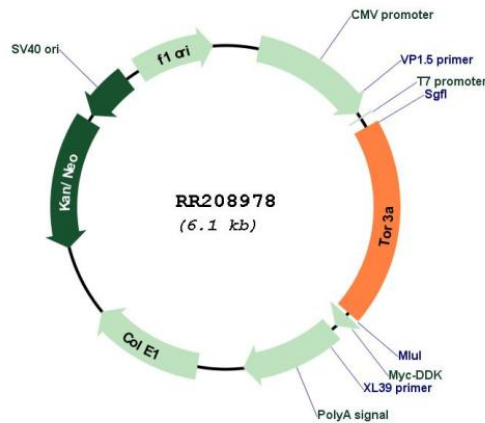
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001009683

<b>ORF Size:</b>	1185 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001009683.1</a> , <a href="#">NP_001009683.1</a>
<b>RefSeq Size:</b>	1837 bp
<b>RefSeq ORF:</b>	1188 bp
<b>Locus ID:</b>	304884
<b>UniProt ID:</b>	<a href="#">Q5M936</a>
<b>Cytogenetics:</b>	13q22
<b>MW:</b>	45.2 kDa