

Product datasheet for **RR207190**

Tor2a (NM_001007744) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tor2a (NM_001007744) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tor2a
Synonyms: MGC93778
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207190 representing NM_001007744
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGTGGCTAGGCACGGCTGCCCGCCTGGGGCTCGATCCTCGGGCTGCTCGTGTGGCCTTGCTG
CCGCCCGCCTGGGACGTGTCTTTCTGCGATGCAGTTAGGGTCTTCTGCGAATGTGACTTCTGGCC
CGACTTGCCTGGTCTGGAATGTGACCTGGCTCGACACCTAGCTGGCCAGCATTGGCCAAGGCCCTGGT
GTGAAGTCATTGAAGGCCTTTGTACAGGACCCAGCCCCAGCAAGCCATTGGTCCTTCCCTGCACGGCT
GGACAGGCACTGGGAAGTCCATGTGAGCTCCCTGCTGGCGCAGTATCTTCCGGGGTGGCCTTCGCAG
CCCTCATGTCCATCACTTCTCTCTATCATCCACTTCCCACATCCCAGCCACACTGAGCAGTACAAGAAT
GAGCTCAAGAGCTGGGTCCAGGGGAACCTCACTGCCTGTGGCCGGTCTCTTTTCTTTCGATGAGATGG
ACAAGTGCCTTGGCCTGATGGAAGTCCCTGAAGCCCTTCTGGGCCCTTCTGGGTTGTGTATGGGAC
CAACTATCGCAAAGCCATTTTCATCTTTATCAGCAATACTGGAGGTGAGCAGATCAACCAGGTGGCCCTG
GAGGCATGGCGCAGCCGTAGGGACAGGAAGAAATCAGCCTACAGGAGGTGGAGCCAGCAGTGTCCCAAG
CTGTGTTGGACAACCCTACCATGGCTTCTGGCGGTCTGGCATCATGGAGGAGCAGCTGCTGGATGCTGT
GGTCCCCTTCTCCCCCTCCAGCGCATCATGTGCGCCACTGTGTGCTCAATGAGCTGGCTCAGCTGGGT
TTGGAGCCCCGAGAGGAGGTGGTTCAGGCTGTGCTGGACAGTACCACCTACTTCCCTGAGGAGGAGCAG
TCTTCTCTCCAATGGCTGCAAGACAGTGGCATCCCGAATCACATTTTCTCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207190 representing NM_001007744
Red=Cloning site Green=Tags(s)

MAVARHGCPPWGSILGLLVLALAAAAWDVSFLRCSLGSFCECDFWPDLPGLECDLARHLAQHLAKALV
 VKSLKAFVQDPAPSKPLVLSLHGWTGTGKSYVSSLLAQYLFRGGLRSPHVHHSPIIHFPHPSHTEQYKN
 ELKSWVQGNLTACGRSLFLFDEMCKLPPGLMEVLKPFLLGSPWVVYGTNYRKAIFIFISNTGGEQINQVAL
 EAWRSRRDREEISLQEVPAVSQAVLDNPHHGFWRSGIMEEQLLDAVVPFLPLQRHHVHRHCVLNELAQLG
 LEPREEVVQAVLDSTTYFPEEEQLFSSNGCKTVASRITFFL

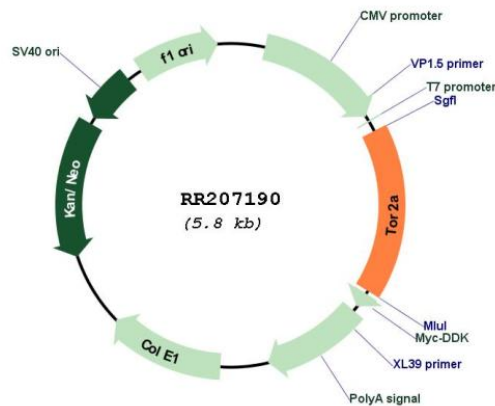
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001007744

ORF Size: 963 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:	<ol style="list-style-type: none">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_001007744.1 , NP_001007745.1
RefSeq Size:	1524 bp
RefSeq ORF:	966 bp
Locus ID:	362112
UniProt ID:	Q6AYR4
Cytogenetics:	3p11
MW:	35.9 kDa