

Product datasheet for MR206020

Tor3a (NM_023141) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Tor3a (NM_023141) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Tor3a |
| Synonyms: | Adir |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR206020 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTCTTGGCGCTCTCTGTTGCTGCTGCTCCTGCCGCTGCGCCCCCGGGAGCGCAGGGCCAGGAGG
CCGACGAGCCACCCCTTGGCCGAGCGTCAAAGGCCTGAAGGAGCAGCTGAGGAAGGCCGGTGCCCTCTC
CAAACGGTACTGGGAGCTTTTCAGCTGCACCTTGTGGCCGATCACTGTGAAGACCAGGAGACCCCGTG
CCGCTCTGGGCTGGAGCCTTCTCTGTGGGGCCGGCGGTGCTGGATGTGCTCACTGCATGGCTCTGTC
GCTTTCAGGACTGCTGCAGCGGGCGCGGATTGCAGGATCTCCAACAATTGACAGGCTTAGAATCAGA
CTTGCGTGTACGACTGCACGGCCAGCATCTCGCTAGCAAGCTGGTCTAAGAGCAGTGAAGGGCTACTTA
GAGATGCCCAAGTAGGCAAGGCCTGGCTCTGTCAATCCACGGCTGGTCTGGCAGAGCAAGAATTCT
TGGCAGGATACTGATGGACAACCTGTATCGGGACGGCATGAGGAGTGACTGTGTCAAGATGTTTATTTTC
TACCTTCCACTTCCACACCCCAAGTATGTGGACACGTACAAGGAAGAGTTGCAGAGGCAGATGCAGGAG
ACGCAGTGGCGTGCACCAGAGCACGTTCTGTCTTTGACGAAGCGGAGAAGCTGCACCCGGGGCTGCTGG
AGCTGCTTGAACCCTACCTGGAACCGAGGAGCCCTGAGGCCCGTGGAGTTGAGGCCCGCCGAGCCATCTT
CCTTTTTCTCAGCAACCTCGGAGGCAGTGTCAATGAGGTAGTCTGAGTTTGCTTAAGGCTGGATGG
TCCAGGGAGGAAATTACGACGCAGCACTTGGAGGTGCCCTTTCAGGCTGAGATCATGGAGGCTGCAGACA
GCAGCTTGGCTCCAGCGGTCTCCTGAAGAAACACCTTATTGACCACTTTATCCCCTTCTGCCACTGGA
GTACTGCCATGTGAGGCTGTGCGTCCGAGATGCCTTCTGGGCCAGGATCTCCCATACACAGAAGAGACC
CTGGATGAAATCGCCAAGATGATGACATATGTCCTGAGGAAGAGCGGCTTTTCTCCTCTCAGGGCTGCA
AATCCATTTCCAGAGAATCAACCTCTTCTGCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206020 protein sequence
Red=Cloning site Green=Tags(s)

MFLGALWLLLLLPLRPPGAQGQEADEPTPWPSVKGLKEQLRKAGALSKRYWELF SCTLWPDHCEQETPV
PPLGWSLPLWGRSLDVL TAWLCRFQDCCSGGGDCRISNNLTGLESDLRVRLHGQHLASKLVLRAVKGYL
EMPQVGKALALSFHGWSTGKNFLARILMDNL YRDGMRSDCVKMFISTFHFPHPKYVDTYKEELQRQMQE
TQWRCHQSTFFVFDEAEKLPGLLELLEPYLEPRSPPEARGVAPRAIFLFLSNLGGSVINEVVL SLLKAGW
SREEITTOHLEVPLQAEIMEAADSSFSSGLLKKHLIDHFIPFLPLEYCHVRLCVRDAFLGQDLPYTEET
LDEIAKMMTYVPEERLFSSQGCKSISQRINLFLP

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_023141

ORF Size: 1158 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_023141.2](#)

RefSeq Size: 3268 bp

RefSeq ORF: 1158 bp

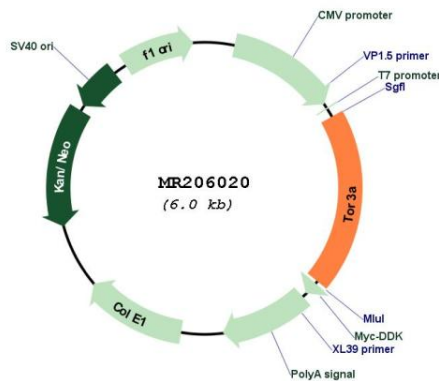
Locus ID: 30935

UniProt ID: [Q9ER38](#)

Cytogenetics: 1 G3

MW: 43.8 kDa

Product images:



Circular map for MR206020