

Product datasheet for MR205937

Tor4a (NM_146115) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tor4a (NM_146115) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tor4a
Synonyms:	A830007P12Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205937 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGACCCGAGCCATCCTAGCCTAGAGCCCCAGGCCAAGGGACCATGTGTGATAGCGCCAGTGCCGCCG
TGCTCCGCTCGCGCCCGAGTCTGCGTCTGCGCAAGAGGCGCCTCTTGACGCCAGGCACTGAGCCGGA
CTCTGGGACAGGGACACTTGGGCCACCGCAGCTTGGGCACTCTACGTGCCGACCTAGACCAACCTAAA
TTCTTCACCTTCGACAGCCTGACAGAGCTGACTTCTAGGACACCCCGAAGAGGGCAGGCGTAGTCGGG
TAGTTCTCTACCCAGAACTCACGGAAGTGCCGACCCCGCACAGAGCGGAGAGTCGTGCACAGCGTTG
TCTGCTGCTTCTGTAGCCATTGTGGGTTCCAGGTTCTCAACGCCATTGAGAATCTAGACGATAATGCA
CAACGTTACGACCTCGACGGGCTGGAGAAGGCGCTGCAGCGTTCTGTGTTGGACAGCCAGCTGCTGTGG
GCCGCATCATGGCCCTGCTGCGAGACTACCTGGCTACACATGTGCACAGTCATCCCTTGCTCCTGGCACT
GCACGGGCCCAGTGGTGTAGGCAAGAGTCACGTGGGGCGTCTGTTGGCGGCCACTTTCGCGCAGTGCTG
GAAGATGGTGCTTTGGTTCTGCACTACCATGCACGATACACTGTCCAGAGCCACGCCGGTTCCAGGACT
GCCGGAAGGAGCTGGCACAGCGAGTGGCAGATGTGGTGGCACAGGCTGAGGCCGAGGAGAAGACCCCTCT
CTTGGTCTGGATGAGGCTGAACCTTGCCACCTGCGCTGCTAGATGAGCTCCACGACCTCCTGCAGCCA
CAGCGTTTCGCACCAATTTCCAAATGCTATCTATGTACTCCTAAGTGGCGCTGGTGGTATAGAGATCACAC
ACTTTGTGCTGCAAAATGCGTCACGGATGTTGCCCCACTCCGCCATAGCGCAGGCACTACTCAGACTGA
GGAATCTCCAGCCAGGAGTTACTCACCAGTCTTCGAGAGCTCCTGGCCCGAGAACCCTCTGTGGCAC
ACTGCAGCCATCGTCCCTTCTGCTACTGGACAAGCCGGATGTGGTCAACTGCTTCAGAGAGGAGATGG
CAGGGGAGGGCTTTTTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205937 protein sequence
Red=Cloning site Green=Tags(s)

MDRSHPSLEPQAKGPCVIAPVRAVLRRLRRRVCVLRKRRLQLPGTEPDSGTGLGPTGSLGTLRADLDQPK
 FFTFDSL TELTSRTPKRRRRSRVVLYPETS SRKCRPRTERQSRAQRCLLLLVAIVGFQVLNAIENLDDNA
 QRYDL DGLKALQRSVFGQPAAVGRIMALLRDYLATHVHSHPLLLALHGPGVGVKSHVGRLLARHFRAVL
 EDGALVLQYHARYHCPEPRPVQDCRKELAQRVADVVAQAEEKTPLLVLDEAELLPPALLDELHDLQ
 QRSHHFHNAIYVLLSGAGGIEITHFVLQNASRMLPPLRHSAGSTQTEESPAQELLTSLRELLAREHPLWH
 TAAIVPFLLLDKPDVVNCFREEMAGEGFFS

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_146115

ORF Size: 1143 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_146115.1](#)

RefSeq Size: 3428 bp

RefSeq ORF: 1281 bp

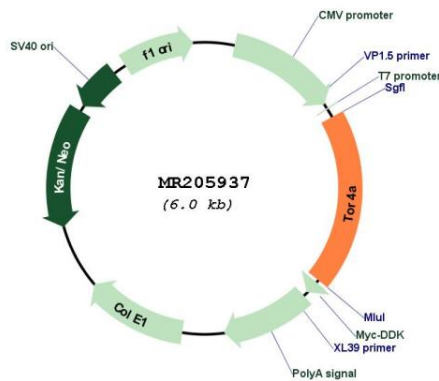
Locus ID: 227612

UniProt ID: [Q8BH02](#)

Cytogenetics: 2 A3

MW: 42.5 kDa

Product images:



Circular map for MR205937