

Product datasheet for MR201806

Ntpcr (NM_025636) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ntpcr (NM_025636) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ntpcr
Synonyms: 2310079N02Rik; AI449709
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201806 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGGCGCACGTGTTCCCTCACCGGCCCTCCAGGGGTTGGCAAAACAACCTTGATCCAGAAAGCCATCG
 AGGTCCTGCAGTCTCCGGGCTGCCCGTGGATGGATTTTACACACAAGAAGTCAGGCAGGAAGGGAAGAG
 GATAGGATTCGATGTCGTCACCTGTCTGGTGCCAGGGGCTCTGTCCAGAGTTGGGTCACAGCCTCTA
 CCTGAAAAGCCGAGTGTGAGTGGGGCAGTATGTGGTGAACCTGGATTCTTTGAGCAGTTGGCACTTC
 CTGTCCTAAGAAACGCAGGCTCCAGCTGTGGCCCAAACACAGAGTGTGTATCATTGACGAGATCGGGAA
 GATGGAGCTCTTCAGCCAACCTTTCATCCAAGCGTCCGCCAGATGCTGTCCACACCAGGCATTATCGTG
 GTTGGCACTATCCAGTCCCAAAGGGAAGCCACTGGCCCTGGTGAAGAAATCAGGAAAAGGCGTGACG
 TGAAGGTGTTCAATGTCACCAGGGAACAAGAAACAGCCTCTTGCCAGATATTGTGGCCGTCGTGCAGAG
 CAGCCGGACG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201806 protein sequence
 Red=Cloning site Green=Tags(s)

MSRHVFLTGPPGVGKTTLIQKAIIEVLQSSGLPVDGFYQEVQRQEGKRIGFDVVTL SGAQGPLSRVGSQPL
 PGKPECRVQYVYVNLDSFEQLALPVLNRNAGSSCGPKHRVCIIDEIGKMELFSQPF IQAVRQMLSTPGIIV
 VGTIPVPKGKPLALVEEIRKRRDVKVFVTRDNRNSLLPDIVAVVQSRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_025636

ORF Size: 573 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_025636.5](#), [NP_079912.1](#)

RefSeq Size: 1155 bp

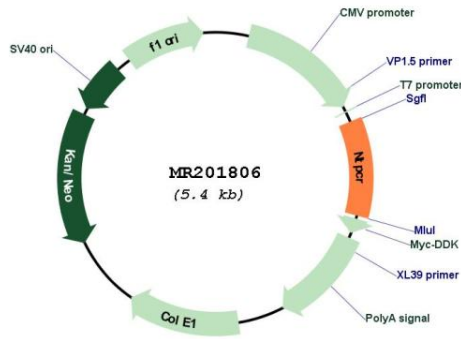
RefSeq ORF: 573 bp

Locus ID: 66566

UniProt ID: [Q9CQA9](#)

Cytogenetics: 8 E2
MW: 20.7 kDa
Gene Summary: Has nucleotide phosphatase activity towards ATP, GTP, CTP, TTP and UTP. Hydrolyzes nucleoside diphosphates with lower efficiency (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201806