

Product datasheet for **SC319940**

NAPRT1 (NAPRT) (NM_145201) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | NAPRT1 (NAPRT) (NM_145201) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | NAPRT1 |
| Synonyms: | NAPRT1; PP3856 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene sequence for NM_145201.3
 GCAGGATGGCGCGGAGCAGGACCCGAGGCGCGCGGCGGCGGCCGCTGCTCACTG
 ACCTCTACCAGGCCACCATGGCGTTGGGCTATTGGCGCGCGGGCCGGGCGGGACGCCG
 CCGAGTTCGAGCTCTTCTCCGCCGCTGCCCGTTCCGGCGGCGCCTTCGCCTTGGCCGCCG
 GCTTGCAGGACTGTGTGCCTTCTGCGCGCCTCCGCTGCGGGACGCCGACGTGCAGT
 TCCTGGCCTCGGTGCTGCCCCAGACACGGATCCTGCGTTCTTCGAGCACCTTCGGGGCC
 TCGACTGCTCCGAGGTGACGGTGCAGGCCCTGCCGAGGGCTCCCTCGCCTTCCCGGAG
 TGCCGCTCCTGCAGGTGTCCGGGCGCTCCTGGTGGTGCAGCTGCTGGAGACACCCTGC
 TGTGCTGGTACGCTACGCCAGCCTGGTGGCCACCAACGACGCGCGGCTTCGCTTATCG
 CAGGGCCAGAGAAGCGGCTGCTAGAGATGGGCTGAGGCGGGCTCAGGGCCCCGATGGGG
 GCCTGACAGCCTCCACCTACAGTACCTGGGCGGCTTCGACAGCAGCAGCAACGTGCTAG
 CGGGCCAGCTGCGAGGTGTGCCGGTGGCCGGGACCCTGGCCACTCCTTCGTCACTTCT
 TTTAGGCAGCGAGGTGCCCCCTGACCCGATGTTGGGCCAGCAGCTGGTGGGGCCCTG
 GGGTGGACCTGGCGGCCAAAGCCAGGTGTGGCTGGAGCAGGTGTGTGCCACCTGGGGC
 TGGGGGTGCAGGAGCCGATCCAGGCGAGCGGGCAGCCTTTGTGGCCTATGCCTTGGCTT
 TCCCCGGGCCTTCCAGGGCCTCCTGGACACCTACAGCGTGTGGAGGAGTGGTCTCCCA
 ACTTCTAGCAGTCGCCTTGGCCCTGGGAGAGCTGGGCTACCGGGCAGTGGGCGTGAGGC
 TGGACAGTGGTACCTGTACAGCAGGCTCAGGAGATCCGCAAGGTCTTCCGAGCTGCTG
 CAGCCCAGTTCAGGTGCCCTGGCTGGAGTCAGTCCTCATCGTAGTCAGCAACAACATTG
 ACGAGGAGGCGCTGGCCCGACTGGCCCAGGAGGGCAGTGAGGTGAATGTCATTGGCATTG
 GCACCAAGTGTGGTCACTGCCCAACAGCCTTCCCTGGTGGCGTCTATAAGCTGGTGG
 CCGTGGGGGGCCAGCCACGAATGAAGCTGACCGAGGACCCGAGAAGCAGACGTTGCCTG
 GGAGCAAGGCTGCTTTCGGCTCCTGGGCTCTGACGGGTCTCCACTCATGGACATGCTGC
 AGTTAGCAGAAGAGCCAGTGCCACAGGCTGGGCAGGAGCTGAGGGTGTGGCCTCCAGGGG
 CCCAGGAGCCCTGCACCGTGAGGCCAGCCAGGTGGAGCCACTACTGCGGCTCTGCCTCC
 AGCAGGGACAGGTGGTGCACCCAGCCCTCATCTGACCCAGCCCGGTAGAGCCCT
 GACTGGGAGCTAGCCCCAAGCTTCTTTCCTTACCTCCTCCGTGCAGCTGTGTGAGCCG
 CTCCCATCCCTGGCAGAGTCTAGAGCCTTGGCCAGCTGTCCCTGAGCCGACTCAGCCCT
 GAGCACAGGCGGCTGCGGAGCCCTGCACAGTACCAGGTGGGGGGAGGCCACCCTGTCA
 TTCTGCCCTGTGCGCCCCGCCCTCACCTGCCACCGCTCCTGTCTCTGCTCCCTGCA
 GGTGGTGTGTCGAGAGGCTGCAGGCCCTGGTGAACAGTCTGTGTGCGGGGAGTCCCC
 CTGAGACTCGGAGCGGGGCTGACTGAAACAACACGAATCACTCACTTTTCCCCACAAAA
 AAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_145201

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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).

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| 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_145201.3 , NP_660202.2 |
| RefSeq Size: | 1715 bp |
| RefSeq ORF: | 1401 bp |
| Locus ID: | 93100 |
| UniProt ID: | Q6XQN6 |
| Cytogenetics: | 8q24.3 |
| Gene Summary: | <p>Nicotinic acid (NA; niacin) is converted by nicotinic acid phosphoribosyltransferase (NAPRT; EC 2.4.2.11) to NA mononucleotide (NaMN), which is then converted to NA adenine dinucleotide (NaAD), and finally to nicotinamide adenine dinucleotide (NAD), which serves as a coenzyme in cellular redox reactions and is an essential component of a variety of processes in cellular metabolism including response to stress (Hara et al., 2007).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p> |