

Product datasheet for **SC336610**

NAPRT1 (NAPRT) (NM_001286829) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NAPRT1 (NAPRT) (NM_001286829) Human Untagged Clone
Tag:	Tag Free
Symbol:	NAPRT1
Synonyms:	NAPRT1; PP3856
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336610 representing NM_001286829.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGCGGAGCAGGACCCGAGGCGCGCGCGCGCGCGCGCGCTGCTCACTGACCTCTACCAGGCC
ACCATGGCGTTGGGCTATTGGCGCGCGCGCGCGCGCGCGCGAGTTCGAGCTCTTCTTCCGC
CGCTGCCCGTTTCGGCGCGCGCTTCGCCTTGGCGCGCGCGCTTGCAGGACTGTGTGCGCTTCTGCGCGCC
TTCCGCTGCGCGGACGCGGACGTGACGTTCTGCGCTCGGTGCTGCCCCAGACACGGATCTGCGTTT
TTGAGACACCTTCGGGCCCTCGACTGCTCCGAGGTGACGGTGCGAGCCCTGCCGAGGGCTCCCTCGCC
TTCCCGGAGTGCCGCTCTGACGGTGTCCGGGCGCTCTGGTGGTGACGCTGCTGGAGACACCGCTG
CTCTGCTGGTGACGTACGCCAGCTGGTGCCACCAACGACGCGCGCTTCGCTTGATCGCAGGGCCA
GAGAAGCGGCTGTAGAGATGGGCTGAGGCGGGCTCAGGGCCCCGATGGGGGCTGACAGCTCCACC
TACAGCTACCTGGGCGGCTTCGACAGCAGCAGCAACGTGCTAGCGGGCCAGCTGCGAGGTGTGCCGGTG
GCCGGGACCTGGCCACTCCTTCGTCACTTCTTTTCAGGCAGCGAGGTGCCCCCTGACCCGATGTTG
GCGCCAGCAGCTGGTGAGGGCCCTGGGGTGACCTGGCGGCCAAAGCCAGGTGTGGCTGGAGCAGGTG
TGTGCCACCTGGGGCTGGGGGTGACAGGAGCCGATCCAGGCGAGCGGGCAGCCTTTGTGGCTATGCC
TTGGCTTTTCCCGGGCCTTCAGGGCCTCCTGGACACCTACAGCGTGTGGAGGAGTGGTCTCCCAAC
TTCCTAGCAGTCGCCCTGGCCCTGGGAGAGCTGGGCTACCGGGCAGTGGGCGTGAGGCTGGACAGTGGT
GACCTGCTACAGCAGGCTCAGGAGATCCGAAGTCTTCCGAGCTGCTGCAGCCAGTTCAGGTGCC
TGGCTGGAGTCAGTCTCATCGTAGTCAGCAACAACATTGACGAGGAGGCGCTGGCCGACTGGCCAG
GAGGGCAGTGAGTGAAATGTCATTGGCATTGGCACCAGTGTGGTACCTGCCCAACAGCCTTCCCTG
GGTGGCTCTATAAGCTGGTGGCGTGGGGGCCAGCCACGAATGAAGCTGACCGAGGACCCGAGAAG
CAGAGCTTGCCTGGGAGCAAGGCTGCTTCCGGCTCTGGGCTCTGACGGGTCTCACTCATGGACATG
CTGCAGTTAGCAGAAGAGCCAGTGCCACAGGCTGGGACAGGCTGAGGGTGTGGCTCCAGGGGCCAG
GAGCCCTGCACCGTGAGGCCAGCCAGCTGTGTAGCCGCTCCCATCCCTGGCAGAGTCTAGAGCCTTG
GCCAGCTGTCCCTGAGCCGACTCAGCCCTGAGCAGGCGGCTGCGGAGCCCTGCACAGTACCAGGTG
GTGCTGTCCGAGAGGCTGACGGCCCTGGTGAACAGTCTGTGTGCGGGGAGTCCCCCTGA
ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001286829

Insert Size: 1578 bp

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).

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_001286829.1

RefSeq Size: 1684 bp

RefSeq ORF: 1578 bp

Locus ID: 93100

UniProt ID: Q6XQN6

Cytogenetics: 8q24.3

MW: 56.1 kDa

Gene Summary: 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]
Transcript Variant: This variant (2) uses an alternate in-frame splice site compared to variant 1. The encoded isoform (2) is shorter than isoform 1.