

## Product datasheet for **RN215629**

### **Nampt (NM\_177928) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nampt (NM_177928) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nampt
Synonyms:	Pbef; Pbef1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN215629 representing NM\_177928  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGAATGCTGCGGCAGAAGCCGAGTTCAACATCCTGCTGGCCACCGACTCGTACAAGTTACTCACTATA  
AACAAATACCCACCCAACAAGCAAAAGTTTATTCTACTTTGAATGCCGTGAAAAGAAGACAGAAAACCTC  
CAAAGTAAGGAAGGTGAAATACGAGGAAACAGTATTTTATGGGTTGCAGTACATTCTTAATAAGTACTTA  
AAAGGTAAGTAGTGACCAAAGAGAAAAATCCAGGAGGCCAAAGAAGTGTACAGAGAACATTTCCAAGATG  
ATGTCTTCAATGAAAGGGGATGGAACACTACATCCTTGAGAAATATGACGGTCATCTCCCAATTGAAGTAA  
GGCTGTTCTGAGGGCTCTGTCATCCCCAGAGGGAACGTGCTGTTACAGTGGAAAACACAGACCCAGAG  
TGCTACTGGCTCACCAACTGGATTGAGACTATTCTTGCCAGTCTGGTATCCAATTACAGTGGCCACAA  
ATCAAGAGAGCAGAAGAAAATCTGGCCAAATATTTGTTAGAAACTTCTGGTAACTTAGACGGTCTGGA  
ATATAAGTTACATGACTTCGGCTACAGAGGAGTCTCTTACAAGAGACTGCCGGCATAGGGGCATCTGCT  
CATTTGGTTAACTTCAAAGGAACAGATACTGTGGCGGGAATTGCTCTAATTAATAAAATACTATGGGACAA  
AAGATCCTGTTCCAGGCTATTCTGTTCCAGCGGACAGACAGTACCATAACAGCGTGGGGGAAAAGACCA  
TGAAAAAGATGCTTTTGAACACATAGTAACACAGTTTCTCATCAGTGCCTGTGTCTGTGGTCAAGGATAGC  
TATGACATCTATAACGCGTGTGAGAAAAATGGGGTGAAGACCTGAGACACCTGATAGTGTGAGAAAGTA  
CAGAGGCCACTGATCATCAGACCTGATTCTGGAAATCCGCTCGACACTGTCTGAAGGTCTTAGATAT  
ATTAGGCAAGAAGTCCCTGTCTCTGAGAACTCAAAGGCTACAAGTTGCTGCCACCTTACCTTAGAGTC  
GTATTGAGAATGTCTCCTTTGGTCTGGTGGCGCTTTGCTACAGAAGTTAACAGAGACCTTTGAATTG  
CTCCTTCAAGTGCAGCTATGTTGTAACCAATGGCCTTGGGGTTAATGTCTTTAAGGACCCAGTTGCTGAT  
CCCAACAAAAGGTCGAAAAAGGGCCGGCTGCTTTACATAGGACACCAGCAGGGACCTTTGTCACCCCTTG  
AAGAAGGAAAAGGAGACCTTGAAGAATATGGCCATGATCTTCTCCATACGGTTTTCAAGAATGGGAAGGT  
GACAAAAAGCTACTCGTTTGACGAAGTCAGAAAAAATGCACAGCTGAACATGGAGCAGGATGTGGCGCCT  
CACTAG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_177928

**Insert Size:** 1476 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\\_177928.3](#), [NP\\_808789.1](#)

**RefSeq Size:** 2590 bp

**RefSeq ORF:** 1476 bp

**Locus ID:** 297508

**UniProt ID:** [Q80Z29](#)

**Cytogenetics:** 6q16

**Gene Summary:** has similarity to cytokines but is not secreted; localized to the nucleus and cytoplasm, changes in subcellular localization may be associated with the cell cycle [RGD, Feb 2006]