

## Product datasheet for **RR204441**

### Entpd3 (NM\_178106) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Entpd3 (NM_178106) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Entpd3
Synonyms:	NTPDase3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RR204441 representing NM\_178106  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTTACGGTGTGACCCGCCAGCCCTGTGAACAGGCAGGCTTCAGGGCCCTCTCGAGGACTCCAGCCA  
 TGGTCACCTTGGTGGTCTGCTTGTGAGCATCGTGGTACTTGTGACACTTACACTCATCCAGATCCACCA  
 CCCACAGTTCTCTCCAGGGCTGAAGTATGGAATCGTGTGGATGCCGGCTCTCCAGAACCAGTGTCT  
 TATGTGTATCAGTGGCCAGCAGAGAAGGAGAATAACACAGGAGTGGTCAGCCAAACCTTCAGATGTAGTG  
 TGAAAGGCTCGGGAATCTCCAGCTATGAGAATAACCCCAAGATGCCCCAAAGCCTTTGAGGACTGCAT  
 GCTAAAGGTCAAGGAACAGGTCCCAAAGCATCTCCACGAATCCACCCGAGTTTACCTGGGGGCCACAGCT  
 GGGATGCGCTTGTGAGGTTGAAAATGAGACAGCAGCTCATGAAGTCTTGAGAGCATCCAAAGCTACT  
 TCAAGTCCAGCCTTTTATTTAGGGGTCTCAAATCATTCTGGGCAAGAGGAAGGGGTGATGGATG  
 GATTACAGCCAATATAATGGGAAATTCCTGGAGAAGAACCCTGGCACATGTGGTGCACCCGCAC  
 GGAGTAGACACCACAGGAGCCCTGGATTTGGGCGGCGCCTCCACCCAGATATCCTTTGTGTGCGGAAGAGA  
 AGATGGAGCCGAACGCCAGCGACACAGTGCAGGTGTCCTTGTACGGCTACACGTACACTCTCTACACGCA  
 CAGTTTCCAGTGTACGGCCGGAACGAAGCAGAGAAGAAGTTCCTGGCGATGCTTCTGCAGAGCCCTTCT  
 ACAGATGCCAACATCAGCAACCCTGCTACCCTCACGGTTACAGCACCACCTTCAATGGGCCACGTGT  
 TTGGCAGCCTGTGCACGGAGAAGCAGAGGCCGAAGAGTACAACCCAGTGATACCATCACCTTCACAGG  
 AACTGGTGACCCACAGCTGTGCAGGGAGAAGGTGGCTTCTGTGTTGACTTCAGTGTGCAAGAGCAA  
 GATGCCTGCTCCTTTGATGGCATTACCAGCCCAAGGTTCAAGGGCCATTTGTGGCATTGACAGGATTCT  
 ATTACACAGCCAGTCCCTAACCTCTCTGGAAGCTTCTCCCTACCTCCTTCAATGACAGCAGATGGGA  
 CTCTGCAGACACACTTGGAGCGAGCTCCCGTCCCTGCTCCCCAGATTTGATGAGACGTATGCCCGGTCC  
 TACTGCTTCTCAGCTCACTACATCTACCACTTGTCTATAAATGGATACAAATCACTGAGGCAACTTGGC  
 CTCAGATACGGTTTGAAGAAAGTGGGAATAGCAGCATCGCCTGGTCCCTAGGCTACATGCTCAGCTT  
 GACCAACCAGATCCAGCTGGAAGTCCGCTGATCCAACCTACCCATACAGCCGCGGTGTTATGGGAGTC  
 CTGGCCTTCTTACGGCTATCGCCTTGTGTGCTGGCATTCTTTCTATCTATGTTTACGATTTAGGA  
 CAAAGGAGCGCTCTGAGAATGCCTTGACCAAGCAGTGGATTCTGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR204441 representing NM\_178106  
 Red=Cloning site Green=Tags(s)

MFTVMTRQPCEQAGFRALSRTPAIVTLVLLVSIIVLVTLTLIQIHHPQVLSPLKYGIVLDAGSSRTTV  
 YVYQWPAEKENNTGVVSQTFRCSVKSGISSYENNPQDAPKAFEDCMLKVKQVPHLHESTRVYLGATA  
 GMRLRLRLQNETAAHEVLESIQSYFKSQPFDFRGAQIIISGQEEVYGWITANYIMGNFLEKNLWHMWVHPH  
 GVDTTGALDLGGASTQISFVSEEKMEPNASDTVQVSLYGYTYTLYTHSFQCYGRNEAEKKFLAMLLQSPS  
 TDANISNPCYPHYSTTFMGHVFGLSCTEKQRPKSYNPSDITFTGTGDPQLCREKVASVDFDSACQEQ  
 DACSFDGIYQPKVQPPVAFAGFYTASALNLSGSFSLTSFNDSWDFCRHTWSELPSLLPRFDETYARS  
 YCFSAHYIYHLLINGYKFTATWPQIRFEKEVGNSSIAWSLGYMLSLTNQIPAGSPLIQLPIQPPVFMGV  
 LAFFTAIALLLCLAFRLFYLCFAFRTKERSENAFDQAVDSD

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_178106

**ORF Size:** 1587 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

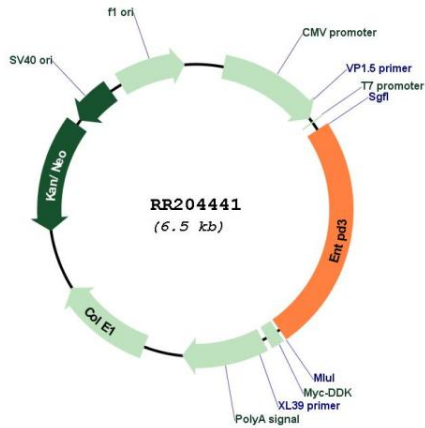
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_178106.2](#), [NP\\_835207.1](#)  
 RefSeq Size: 3087 bp  
 RefSeq ORF: 1590 bp  
 Locus ID: 316077  
 Cytogenetics: 8q32  
 MW: 59.1 kDa

**Product images:**



Circular map for RR204441