

Product datasheet for **RN206047**

Entpd8 (NM_001033565) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Entpd8 (NM_001033565) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Entpd8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206047 representing NM_001033565
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGACTTTCCTGGAAGGAACGGGTCTTCATGGTCTGTGGGAGTTGCAGCAGCTTCTGGCCTACCA
 TGCTCATCCTCATCCTGGTGAAAGCAACCAATGTTCTCCTGCCTGCAGACACCAAGTTGGGATCCTGTT
 TGACGCCGGCTCCTCCACACATCACTGTTTGTGTACCAAGTGGCCAGCAAACAAGGAGAAGGACACAGGA
 GTGGTCAGCCAGGCCCTGGCTTGCAGGTAGAAGGACCGGAATCTCTTCTACACCTCTGACCCGACAC
 AGGCTGGGAGAGCCTGAAGAGCTGCCTGCAGGAGGCGTGGCACTGATCCACAGACCCAGCATCCAGT
 GACGCCGCATTCTGGGGCCACAGCAGGAATGAGGCTGCTCAGCCAGAAGAACAGCTCTCAGGCTCAA
 GACATCCTAGCTGCAGTCTCCAGACACTGAGCAGGGCTCCGGTGGACTTTGGGGAGCCAGGATCCTGG
 CTGGGCAGGATGAAGTGCCTTTGGTTGGATCACTGTCAACTACGTCCTGGGAATGCTCCTGAAGTATTC
 GTCTGGACAATGGATCCTGCCTGAAGATGGGACGCTAGTTGGTGTCTGGACCTTGGCGGGCCTCCACG
 CAGATCAGCTTTGTGCCTCAGGGCCCCATCTGGACCAGAGCACCCAGGTTACCTCCGCCTGTACGGCG
 CCAATTACAGTGTCTACACTCACAGCTACCTCTGCTTTGGGCGGGACCAGATCCTAAGAAGGCTCCTGGC
 TGAAGTGGTACAGAGCAGCCAGGTAGCCCGGGTACAGACCCATGCTACCACAGTGGCTACCAGGCCACA
 CTGTCACTGGCTTCTTGTATGATTACCCCTGCGTCCACACTCCAGATCCCTGAACTACACCCAGAACC
 TCACAGTTGAAGGGATAGGCAACCCTGGGAAGTGTGTGGCAGCCCTCCGGGGTCTCTTCAACTTCTCCAG
 CTGTAAGGGCCAAAGAGGATTGTGCTTTCAATGGAGTCTACCAGCCTCCCGTGCATGGCCAGTTCTATGCA
 TTTTCCAACCTTTACTACACCTCCAGTTCCTCAACCTCACCTCCAGGCAGCCACTGAACATCGTCAATG
 AACTATCTGGAAGTTCTGTGCAAAACCCTGGAGACTGGTGAAGACAGCTACCTGGGAGGAGCGTG
 GCTACGGGACTACTGTGCCTCAGGCCTATACATCCTCGTGTGGTGGTGGAGGGCTACAAATTCAGTGAG
 GAGACCTGGCCCAACATCCAGTTCAGAAAGCAGGAGGCGGCACGGACATTGGCTGGACTGGGCTTCA
 TGCTGAACCTGACAGGCATGATCCAGCTGAGGCGCTGACCCAGTGGCGGGCTCAGAGCTACAGCATCTG
 GATAGCTGGAGTAGTGTTCAGTGTGACCTCGTGGCCATTCTGGGGCAGCTGCAGTCCAGCTCTTC
 TGGACCCAGGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001033565

Insert Size: 1485 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_001033565.1](#), [NP_001028737.1](#)

RefSeq Size: 1742 bp

RefSeq ORF: 1485 bp

Locus ID: 613267

UniProt ID: [Q5DRK1](#)

Cytogenetics: 3p13

Gene Summary: Canalicular ectonucleoside NTPDase responsible for the main hepatic NTPDase activity. Ectonucleoside NTPDases catalyze the hydrolysis of gamma- and beta-phosphate residues of nucleotides, playing a central role in concentration of extracellular nucleotides. Has activity toward ATP, ADP, UTP and UDP, but not toward AMP (By similarity).[UniProtKB/Swiss-Prot Function]