

Product datasheet for **MR207981**

Entpd8 (NM_028093) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Entpd8 (NM_028093) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Entpd8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207981 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGACTCTCCTGGAAGGAACGGGTCTTCATGGCTCTGTTGGGAGTTGCAGCAGCCTCTGGCCTACCA
 TGCTCGTCTCATCTGGTGAAGGCAATCAATGTTCTCTTGCCTGCAGACACCAAGTTGGGATTGTGTT
 TGATGCCGGCTCCTCCACACATCCCTGTTTGTGTACCAAGTGGCCAGCAAACAAGGAGAAGGACACAGGA
 GTGGTCAGCCAGGCCCTGACTTGCCAGATAGAAGGACCTGGAATCTCTTCTATACCTCTGACCCGACAC
 AGGCTGGGAAAAGCCTGAAGAGCTGCCTGGAGGAGGCGTGGCGTTGATCCACAGGCCACGATCCAGA
 GACGCCACATTCTGGGGTCCACAGCAGGAATGAGGCTGCTCAGCCAGAAGAACAGCTCTCAGGCAAGA
 GACATCTAGCTGCAGTCTCCAGACACTAAGCAAGTCTCCTGTGGATTTTGGGGTCTAAGATCTTGG
 CTGGGCAGGATGAAGTGCCTTTGGCTGGATCACCATCAACTATGCTCTGGGAATGCTCCTGAAGTATTC
 CTCTGGACAGTGGATCCTGCCTGAAGAGGGGATGCTAGTTGGTGTCTGGACCTTGGTGGAGCCTCCAGC
 CAGATCAGCTTCGTGCCTCAGGGCCCCATCTGGACCAGAGCACCAAGTCACTTCCGCCTGTACGGTG
 CCAACTACAGTGTCTATACTCACAGCTACCTCTGCTTTGGGCGGGACCAGATCCTGAACAGGCTCCTGGC
 TAAGCTGGCACAGGACAGGTTGAGCAGCCAGGTGGCCCCGGTCCAGACACCCATGCTACCACAGTGGCTAC
 CAGGCCATACTGCCACTGAGTTCCTTGTATGACTCACCTGCATCCACACTACAGATTCCTGAACCACA
 CCCAGAACCTCACAGTTGAAGGGACAGGCGACCCTGGAACTGTGTGGTAGCTCTCCGAAGTCTCTTCAA
 CTTCTCCAGCTGAAGGGCCAGAAGGATTGTGCTTCAATGGCATCTACCAGCCTCCTGTGCACGGCCAG
 TTCTATGCATTTTCCAACCTTTACTACACCTTCCATTTCTGAACCTCAGTCCAGGCAATCACTGAACA
 CTGTCAACGACACTGTCTGGAAGTTCTGTGAGAAACCCTGGAACTGGTGAAGTCACTATCCTGGGCA
 GGAGCGCTGGTTACGGGACTACTGTGCCTCGGGTCTGTACATCCTCGTATTGCTGCTGGAGGGCTACAAA
 TTCAGTGAGGAGACCTGGCCCAACATCCAGTTCAGAAAGCAGGCAGGTAACACAGACATTGGCTGGACAC
 TGGGCTTCATGCTGAACCTGACAGGCATGATTCCAGCTGAGGCACCGACCCACTGGCGGGCTCAGAGCTA
 CAGCATCTGGACGGCTGGAGTAGTATTCGAGTGTGACCCTTGTGGCCATTCTTGGGCAGCTGCCATC
 CAGATCTTCTGGACCCAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207981 protein sequence
 Red=Cloning site Green=Tags(s)

MGLSWKERVFMALLGVAAASGLTMLVLILVKAINVLLPADTKFGIVFDAGSSHTSLFVYQWPANKEKDTG
 VVSQALTCQIEGPGISSYTSDPQAGESLKSCLEALALIPQAQHPETPTFLGSTAGMRLLSQKNSSQAR
 DILAAVSQTLSPVDFWAKILAGQDEGAFGWITINYVLGMLLKYSSQWILPEEGMLVGALDLGGAST
 QISFVPQGPILDQSTQVTFRLYGANYSVYTHSYLFCGRDQILNRLAKLAQDRLSSQVAPVRHPCYHSGY
 QAILPLSSLYDSPCIHTTDSLNTQNLVTEGDPGNCVVALRSLFNFSSCKGQKDFAFNGIYQPPVHGQ
 FYAFSNFYTFHFLNLTSRQSLNTVNDTVWFKCQKPKLVEVSYPGQERWLRDYCASGLYILVLLLEGYK
 FSEETWPNIQFQKQAGNTDIGWTLGFMLNLTGMIPAEAPTHWRAQSYSIWTAGVVFAVLTVAAILGAAAI
 QIFWTQD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_028093

ORF Size: 1494 bp

OTI Disclaimer: 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_028093.1](#), [NP_082369.1](#)

RefSeq Size: 2306 bp

RefSeq ORF: 1494 bp

Locus ID: 72090

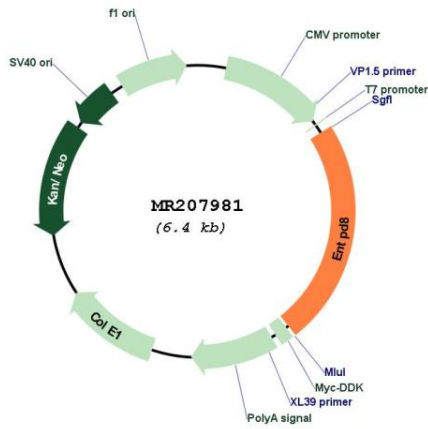
UniProt ID: [Q8K0L2](#)

Cytogenetics: 2 A3

MW: 54.6 kDa

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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207981