

## Product datasheet for **MR208197**

### Entpd1 (NM\_009848) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Entpd1 (NM_009848) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Entpd1
Synonyms:	2610206B08Rik; AA408691; Cd39; NTPDase-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208197 representing NM\_009848  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAAGATATAAAGGATTCTAAGTGGAAGAGATTTTGCTCCAAAATATTCTGATCATCTTGGTTTCA  
 CCTCTATCTTGGCTGTGATAGCTTTGATTGCTGTGGGACTGACCCAGAACAACCTTTGCCAGAAAATGT  
 TAAGTATGGGATTGTGTTGGATGCGGGGTCGTCTCACACCAACCTGTACATCTACAAGTGCCAGCCGAG  
 AAGGAGAATGACACAGGGGTGGTGCAGCAGTTAGAGGAATGCCAAGTGAAAGGTCCTGGAATCTCAAAAT  
 ATGCTCAGAAAACAGATGAAATCGGTGCATACCTGGCCGAATGCATGGAAGTGTCCACCGAACTGATACC  
 AACATCCAAGCATCACCAGACTCCTGTCTACCTGGGAGCCACAGCAGGCATGCGCTTGTAGAAATGAA  
 AGTGAACAATCGGCAGACGAGGTCCTGGCTGCAGTGTCAACGAGCCTTAAGGGCTACCCCTTTGACTTCC  
 AGGGTGCCAAAGATCATCACGGGACAAGAGGAAGGTGCCTATGGGTGGATTACTATTAACATCTGCTGGG  
 CAGATTCCTCAGGAACAGAGTTGGCTAAGCCTCATCTCAGACAGTCAGAAACAGGAAACCTTTGGCGCT  
 TTGGATCTCGGGCGAGCCTCCACACAAAACACCTTCGTGCCCCAAAACAGCACTATAGAGTCCCCAGAAA  
 ACTCTCTGCAATTCGGTCTCTATGGCGAGGACTATACTGTGTACACACAGCTTCTGTGCTATGGGAA  
 GGATCAGGCTCTCTGGCAGAAAATGGCCAAGGACATTCAGGTTTCAAGTGGTGGCGTCTTAAGGACCCG  
 TGCTTTAACCCAGGATACGAGAAGGTTGTGAATGTAAGTGAGCTCTATGGCACTCCCTGCACCGAAAAGAT  
 TCGAAAAGAAGCTACCGTTTGTACAGTTTCAATCCAGGGCACTGGAGACTACGAACAGTGCCACCAGAG  
 CATCCTTGAGCTTTCAACAACAGCCACTGCCCTTACTCCCAGTGTGCCCTCAATGGCGTCTTCTGCCA  
 CCTCTCCATGGGAGTTTGGGGCGTTTCTGCTTCTACTTTGTGATGGATTTTTTAAGAAGGTAGCGA  
 AAAACAGTGTCTCTCAGGAGAAAATGACCGAGATAACAAAAATTTTGTCTAAAATCTTGGGAAGA  
 GACAAAGACATCTTATCCTTCAGTAAAGGAGAAGTACCTGAGTGAGTACTGCTTCTCGGGTGCCTACATC  
 CTCTCTCTCTGCAAGGCTATAACTTCACAGACAGCTCCTGGGAACAGATTCAATTTATGGCAAGATCA  
 AAGACAGCAACGCGGGTGGACTTTGGGCTACATGCTGAAGTACCAACATGATCCAGCTGAACAGCC  
 GTTGTCCCGCTCTCCCTCACTCCACCTACATTGGCCTCATGTTCTCTCTCCCTGCTTGGTTGCT  
 GTGGCCATCACAGGCTGTTTATCTATAGCAAGCCTTCATATTTCTGAAAAGAGGCGAGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208197 representing NM\_009848  
 Red=Cloning site Green=Tags(s)

MEDIKDSKVKRFCSKNILIIILGFTSILAVIALIAVGLTQNKPLPENVKYIVLDAGSSHTNLYIYKWPAE  
 KENDTGVVQQLLEECQVKGPGISKYAQKTDEIGAYLAECMELSTELIPTSKHHQTPVYLGATAGMRLLRME  
 SEQSADEVLAAVSTSLKGYPFDFQAKIITGQEEGAYGWITINYLLGRFTQE QSWLSLISDSQKQETF GA  
 LDLGGASTQITFVPQNSTIESPENSLQFRLYGEDYTVYTHSFLCYGKDQALWQKLAKDIQVSSGGVLKDP  
 CFNPGYEKVVNVSELYGTPCTERFEKKLPFDQFRIQGTGDYEQCHQSILELFNNSHCPYSQCAFNGVFLP  
 PLHGSFGAFSAFYVMDFFKKVAKNSVISQEKMTEITKNFCSKSWEETKTSYPSVKEKYLSEYCFSGAYI  
 LSLQGYNFTDSSWEQIHFMGKIKDSNAGWTLGYMLNLNMIPAEQPLSPPLPHSTYIGLMVLFSLLLVA  
 VAITGLFIYSKPSYFWKEAV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_009848

**ORF Size:** 1530 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 Size:** 4197 bp

**RefSeq ORF:** 1533 bp

**Locus ID:** 12495

**UniProt ID:** [P55772](#)

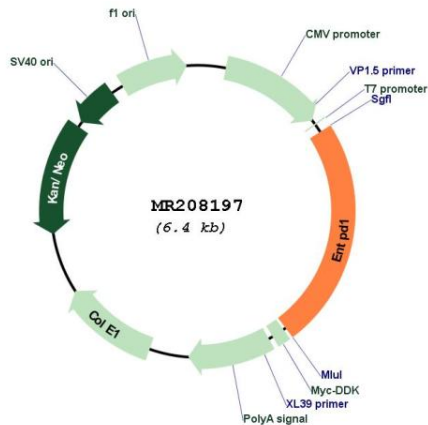
**Cytogenetics:** 19 34.25 cM

**MW:** 57.7 kDa

**Gene Summary:**

In the nervous system, could hydrolyze ATP and other nucleotides to regulate purinergic neurotransmission. Could also be implicated in the prevention of platelet aggregation by hydrolyzing platelet-activating ADP to AMP. Hydrolyzes ATP and ADP equally well. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR208197