

Product datasheet for **MC216101**

Entpd6 (NM_172117) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Entpd6 (NM_172117) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Entpd6
Synonyms:	2700026H11Rik; Cd39l2; NTPDase-6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216101 representing NM_172117
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGAAAAATACCAACCATGGGACCCTGCGGATGACGAAGGTGGCATATCCCCTGGGACTGTGCGTGG
 GCCTGTTTCATCTATGTTGCCTATATCAAGTGGCACCAGGGCTCTGCTGCCAGGCCTTCTCACCATTGC
 TGGGGCTGCCTCGGGGGCACGGTGGACCCAGCAGGCCTTCAGCTCCCCAGGCTCAGCTGCACGTGGTCAT
 GAGGTCTTCTATGGGATCATGTTTGACGCTGGGAGCACCGGCACCCGCATCCACGTCTTCCAGTTCGCC
 GGCCACCTGGAGAACTCCACCTTGACCCATGAAACCTCAAAGCACTGAAGCCTGGGCTTTCTGCTTA
 CGCTGATGATGTTGAAAAGAGTGTCTCAGGGATCCAGGAGCTTCTGAATGTTGCTAAGCAACACATTCT
 TATGATTTCTGGAAGGCTACCCCTCTGGTTCTCAAGGCCACAGCTGGTTTGCCTGCTGCCAGGAGAAA
 AGGCTCAGAAGTTGCTGAAAAGGTGAAGGAGGTTCAGGCATCACCTTCTTGTGGGGATGACTG
 TGTTTCCATCATGAACGGCACAGACGAAGGTGTTTCGGCTGGATCACTGTCAACTTCTGACAGGCAGT
 CTGAAGACCCAGGAAGCAGCAGTGTGGCATGCTGGATTTGGGCGGAGGATCCACTCAGATCACTTTCC
 TCCCACGTGTCGAGGGTACCCTGCAGGCCTCCCGCCCGCCACCTGACGGCGCTGCAGATGTTAACAG
 GACTTACAAGCTGTACTCTACAGCTACCTGGGGCTGGGACTGATGTCCGCACGGCTGGCTATCTTGGGC
 GGTGTGGAGGGGAAACCTGCTGAGAATGACAAGGAACTGGTCAGCCCCTGTCTGTCTCCCGGTTCCGAG
 GAGAGTGGGAGCATGCGGAGGTCACCTATAGAATTTTCAGGACAGAAGGCAGTGGGCTCTATGAGCTGTG
 TGCCAGTAGAGTATCAGAAGTCTCCGAAATAAGTACACAGGACGGAAGAGGCACAGCAGTGGACTTC
 TATGCGTTTTCTACTACTATGACCTTGACCCAGCTTTGGTCTTATAGATGCAGAGAAAGGAGGCAGCC
 TTGTAGTTGGAGACTTTGAGATAGCAGCAAGTACGTGTCCGCACTCTGGAGACACAGCCGCGGAGCAG
 CCCTTTGCCTGCATGGACCTCACCTACATCAGCCTACTGCTCCACGAGTTTGGTTTTCCCGGGGACAAG
 GTGCTGAAGCTGCTCGAAAAATTGACAATGTTGAAACCAGCTGGGCTCTGGGAGCTATTTTTTCATTACA
 TCGACTCCCTGAAGAGACAGAAGGTTCTGCCTT**GTAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_172117

Insert Size: 1368 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_172117.5](#), [NP_742115.2](#)

RefSeq Size: 2500 bp

RefSeq ORF: 1368 bp

Locus ID: 12497

UniProt ID: [Q3U0P5](#)

Cytogenetics: 2 G3

Gene Summary: Catalyzes the hydrolysis of nucleoside triphosphates and diphosphates in a calcium- or magnesium-dependent manner. Has a strong preference for nucleoside diphosphates, preferentially hydrolyzes GDP, IDP, and UDP, with slower hydrolysis of CDP, ITP, GTP, CTP, ADP, and UTP and virtually no hydrolysis of ATP. The membrane bound form might support glycosylation reactions in the Golgi apparatus and, when released from cells, might catalyze the hydrolysis of extracellular nucleotides.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.