

Product datasheet for **MG203750**

Entpd6 (BC038126) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Entpd6 (BC038126) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Entpd6
Synonyms:	2700026H11Rik; Cd39l2; NTPDase-6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203750 representing BC038126 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGAAAAATACCAAACCATGGGACCCTGCGGATGACGAAGGTGGCATATCCCCTGGGACTGTGCGTGG
GCCTGTTTCATCTATGTTGCCTATATCAAGTGGCACCAGGCTCTGCTGCCAGGCCTTCTCACCATTTGC
TGGGGTGCCTCGGGGACGGTGGACCCAGCAGGCCTCAGCTCCCAGGCTCAGCTGCACGTGGTCAT
GAGGTCTTCTATGGGATCATGTTTGACGCTGGGAGCACCAGCCGATCCACGTCTTCCAGTTTCGCC
GGCCACCTGGAGAACTCCACCTTGACCCATGAAACCTCAAAGCACTGAAGCCTGGGCTTCTGCTTA
CGCTGATGATGTTGAAAAGAGTGTCTCAGGGATCCAGGAGCTTCTGAATGTTGCTAAGCAACACATTCCT
TATGATTTCTGGAAGGCTACCCCTCTGGTTCTCAAGGCCACAGCTGGTTTGCCTGCTGCCGGGAGAAA
AGGCTCAGAAGTTGCTGCAAAAGGTGAAGGAGGTGTTCAAGGCATCACCTTCTTGTGCGGGATGACTG
TGTTTCCATCATGAACGGCACAGACGAAGGTGTTTCGGCTGGATCACTGTCAACTTCTGACAGGCAGT
CTGAAGACCCAGGAAGCAGCAGTGTGGCATGCTGGATTTGGGCGGAGGATCCACTCAGATCACCTTCC
TCCACGTGTCGAGGGTACCCTGCAGGCCTCCCGCCCGCCACCTGACGGCGTGCAGATGTTTAAACAG
GACTTACAAGCTGTACTCTACAGGTGGTCTGCTCACGCTGGCACCACCCACGGATGCCTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203750 representing BC038126
 Red=Cloning site Green=Tags(s)

MRKIPNHGTLRMTKVAYPLGLCVGLFIYVAYIKWHRASAAQAFFTIAGAASGARWTQQAFSSPGSAARGH
 EVFYGIMFDAGSTGTRIHVFQFARPPGETPTLTHETFKALKPGLSAYADDVEKSAQGIQELLNVAKQHIP
 YDFWKATPLVLKATAGLRLLPGEKAQKLLQKVKEVFKASPFVLVGDVCVSI MNGTDEGVSAWITVNF LTGS
 LKTPGSSSVGMLDLGGGSTQITFLPRVEGTLQASPPGHLTALQMFNRITYKLYSYRWVCSRLAPPTDAS

TRTRPLE - GFP Tag - V

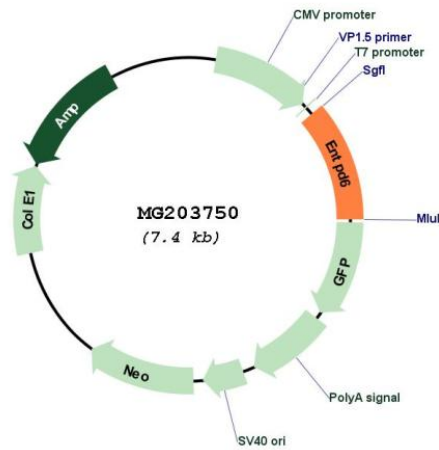
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC038126

ORF Size: 836 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:	<ol style="list-style-type: none">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:	BC038126 , AAH38126
RefSeq Size:	1200 bp
RefSeq ORF:	836 bp
Locus ID:	12497
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]