

Product datasheet for **RR214548**

Entpd6 (NM_053498) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Entpd6 (NM_053498) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Entpd6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR214548 representing NM_053498 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGAAAAATACCAAACCATGGGACCTTGCGGATGACGAAGGTGGCGTATCCCCTGGGACTGTGCGTGG
GCCTGTTACTCTATGTTGCCTATATCAAGTGGCACCGGGCTCCGCCGCCAGGCCTTCTCACCATTGC
TGGGGCTGCCTCAGGAGTGCCTGGACCAACAGGCCTTCAGCTCTCAGACTCAGCCACACGTGGTCAC
GAGGTCTTCTATGGGATCATGTTTGATGCGGGAGTACCGGCACCCGCATCCACGCTTCCAGTTTGCCC
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TGCCGATGATGTTGAAAAGAGCGCCCAAGGGATCCAGGAGCTTCTGAATGTCGCCAAGCAACACATTCCA
TACGACTTCTGGAAGGCCACCCCTCTGGTTCTCAAGGCCACAGCTGGTCTGCGCTGCTGCCGGGAGAAA
AGGCTCAGAAGTTGCTGCAAAAGGTGAAGGAGGTGTTAAGGCATCACCTTCTTGTAGGGGATGACTG
TGTTTCCATCATGAATGGCACAGATGAAGGTGTTTCGGCTGGATCACTGTCACTTCTGACAGGCAGT
CTGAAGACCCAGGAAGCAGCAGTGTGGCATGCTGGACTTGGGCGGAGGATCCACTCAGATCACCTTCC
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GACTTTCAAGCTGTATTCTACAGCTACCTGGGGCTGGGACTGATGTCGGCACGACTGGCTATCTGGGT
GGTGTGGAGGGGAAACCTGCTGAGGATGACAAGGAACTGGTCAGCCCCTGTCTGTCTCCCGGTTACAGAG
GAAAGTGGGAGCATGCGGAGGTCACCTATAGAATTTAGGACAGAAGGCAGTGGGCCTCTACGAGCTGTG
TGCCAGCAGGGTATCAGAAGTCTCCGCAATAAAGTACACAGGACAGAAGAGGCGCAGCAGTGGACTTC
TATGCGTTTTCTACTACTACGACCTTGCTGCCAGCTTTGGCCTTATAGATGCAGAGAAAGGAGGCAGCC
TTGTAGTTGGAGACTTTGAGATAGCAGCAAGTATGTCTGCCGCACTCTGGAGACACAGCCTCCAAGCAG
CCCCTTTGCTTGCATGGACCTCACCTACATCAGCCTCTGCTCCACGAGTTTGGTTTTCCCGGGGACAAG
GTAAGTGGCTCGGAAAATTGACAATGTTGAAACCAGCTGGGCTCTGGGGCTATTTTTATTACA
TCGACTCCCTGAAGAGACAGAAGTTCTGCCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214548 representing NM_053498
 Red=Cloning site Green=Tags(s)

MRKIPNHGTLRMTKVAYPLGLCVGLFIYVAYIKWHRASAAQAFFTIAGAASGVRWTQQAFSSPDSATRGH
 EVFYGIMFDAGSTGTRIHVFQFARPPGETPTLTHETFKALKPGLSAYADDVEKSAQGIQELLNVAKQHIP
 YDFWKATPLVLKATAGLRLLPGEKAQKLLQKVKEVFKASPFLVGDDCVSIMNGTDEGVSAWITVNFLTGS
 LKTPGSSSVGMLDLGGGSTQITFLPRVEGTLQASPPGHLTALQMFNRTFKLYSYSLGLGLMSARLAILG
 GVEGKPAEDDKELVSPCLSPRFRGKWEHAEVYTRISGQKAVGLYELCASRVSEVLRNKVHRTEEAQHVD
 YAFSYYDLAASFGLIDAEGGSLVVGDFEIAAKYVCRLETQPPSSPFACMDLTYISLLLHEFGFPGDK
 VLKLRKIDNVETSWALGAIHIDSLKRQKVPAL

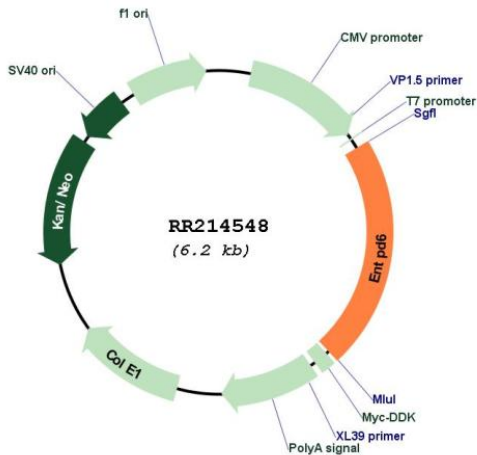
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_053498
ORF Size:	1365 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:	NM_053498.1 , NP_445950.1
RefSeq Size:	2458 bp
RefSeq ORF:	1368 bp
Locus ID:	85260
UniProt ID:	Q9ER31
Cytogenetics:	3q41
MW:	49.9 kDa
Gene Summary:	nucleoside diphosphatase; may mediate glycosylation reactions in the Golgi apparatus; may catalyze hydrolysis of extracellular nucleotides [RGD, Feb 2006]