

Product datasheet for **RG221515**

AMPD2 (NM_004037) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AMPD2 (NM_004037) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AMPD2
Synonyms:	PCH9; SPG63
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG221515 representing NM_004037
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGAAATCGTGCCAGGGCCTTCCGCTGCGGAGCCGCTGCTTCTGCATCAGTCACTCCCGCTGG
 GGGCGGGCGGAGGAAGGGTTGGATGTGGCAGAGCCAGGCCCCAGCCGGTGCCGCTCAGACTCCCCGC
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 AGACCATCCAGAGGAGGCGGTATCACCATGAGCCAGGCCTCAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG221515 representing NM_004037
 Red=Cloning site Green=Tags(s)

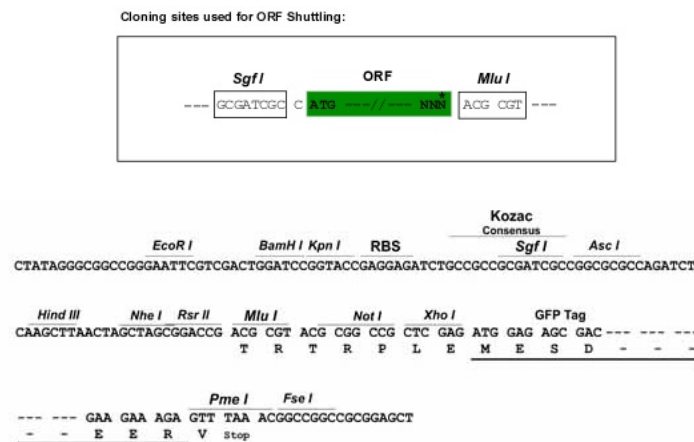
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 FMLAENISHGLLLKAPVLQYL YLLAQIGIAMSPLSNNSLFLSYHRNPLPEYLSRGLMVS LSTDDPLQFH
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TRTRPLE - GFP Tag - V

Restriction Sites:

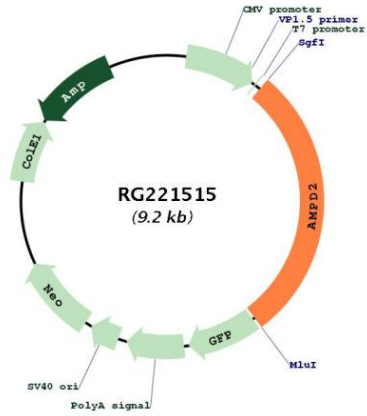
SgfI-MluI

Cloning Scheme:



ACCN:	NM_004037
ORF Size:	2637 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_004037.7 , NP_004028.3
RefSeq Size:	4005 bp
RefSeq ORF:	2478 bp
Locus ID:	271
UniProt ID:	Q01433
Cytogenetics:	1p13.3
Domains:	A_deaminase
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Purine metabolism
Gene Summary:	The protein encoded by this gene is important in purine metabolism by converting AMP to IMP. The encoded protein, which acts as a homotetramer, is one of three AMP deaminases found in mammals. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

Product images:



Circular map for RG221515