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Product datasheet for RG239968

ADNP (NM_001282532) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADNP (NM_001282532) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADNP
Synonyms:	ADNP1; HVDAS; MRD28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG239968 representing NM_001282532.
Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTCCAACTTCCTGTCAACAATCTTGGCAGTTTAAGAAAAGCCCGGAAAACTGTGAAAAAAATACTT
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GCAGTCCCCTTAGGCTCGAATGCCCGAGAAGAGAGTAGTATTCACTGCAAACGATGCCTTTTCATGCCA
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ATGTTAATTCATGGTCTGTCTTGTCCATATTGCCGTTCAACTTTCAATGATGTGGAAAAGATGGCCGCA
CACATGCGGATGGTTCACATTGATGAAGAGATGGGACCTAAAACAGATTCTACTTTGAGTTTTGATTTG
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GATGGAGTAGCTGAGCCCATGCATGGCAGCTTAGCCGGAGTTAAACTGAGCAGCCAACAGGCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

Protein Sequence:

>Peptide sequence encoded by RG239968
Blue=ORF Red=Cloning site Green=Tag(s)

MFQLPVNNLGSLRKARKTVKKILSDIGLEYCKEHIEDFKQFEPNDFYLKNTTWEDVGLWDPSLTKNQDY
RTKPFCCSACPCSSKFFSAYKSHFRNVHSEDFENRILLNCPYCTFNADKKTLETHIKIFHAPNASAPSS
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AVPLGSNAREESSIHCKRCLFMPKSYEALVQHVIEDHERIGYQVTAMIGHTNVVVPRSKPLMLIAPKPQ
DKKSMGLPPRIGSLASGNVRSLPSQQMVNRLSIPKPNLNSTGVNMMSSVHLQQNNYGVKSVGQGYSVGQ
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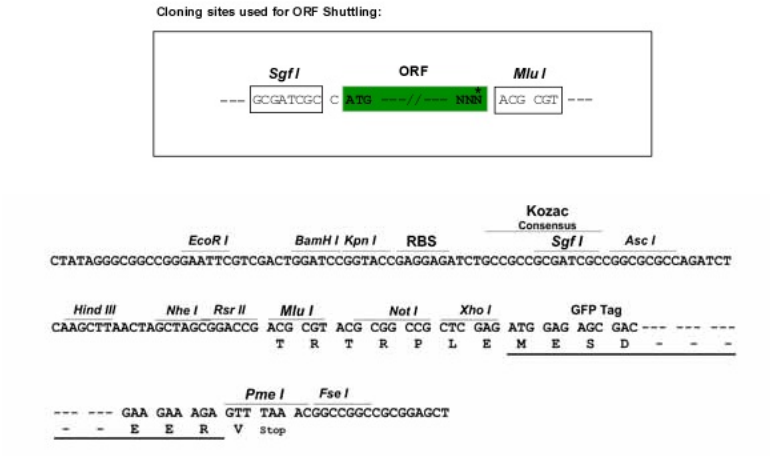
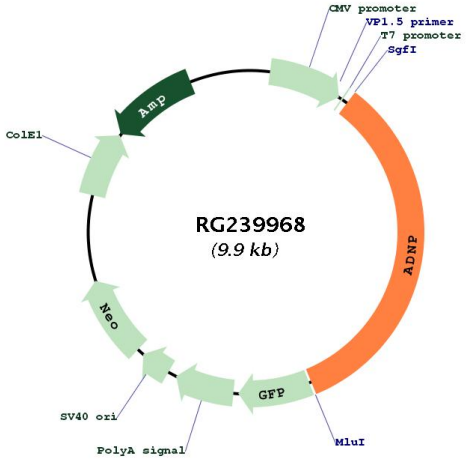
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001282532
ORF Size:	3306 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).
RefSeq:	NM_001282532.1, NP_001269461.1
RefSeq Size:	6110 bp
RefSeq ORF:	3309 bp
Locus ID:	23394
UniProt ID:	Q9H2P0
Cytogenetics:	20q13.13
Protein Families:	Transcription Factors
MW:	123.4 kDa
Gene Summary:	Vasoactive intestinal peptide is a neuroprotective factor that has a stimulatory effect on the growth of some tumor cells and an inhibitory effect on others. This gene encodes a protein that is upregulated by vasoactive intestinal peptide and may be involved in its stimulatory effect on certain tumor cells. The encoded protein contains one homeobox and nine zinc finger domains, suggesting that it functions as a transcription factor. This gene is also upregulated in normal proliferative tissues. Finally, the encoded protein may increase the viability of certain cell types through modulation of p53 activity. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq, Jul 2008]