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Product datasheet for MG223066

Adnp (NM_009628) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adnp (NM_009628) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adnp
Synonyms:	AA589558; mKIAA0784
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG223066 representing NM_009628
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCCAACTTCCTGTCAACAATCTTGGCAGTTTAAGAAAAGCCCGGAAAACTGTGAAAAAAATACTTA
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CTTAACTGGAGTGAAGCTGAGCAGCCAGCAAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG223066 representing NM_009628
Red=Cloning site Green=Tags(s)

MFQLPVNNLGSLRKARKTVKKILSDIGLEYCKEHIEDFKQFEPNDFYLKNTTWEDVGLWDPSLTKNQDYR
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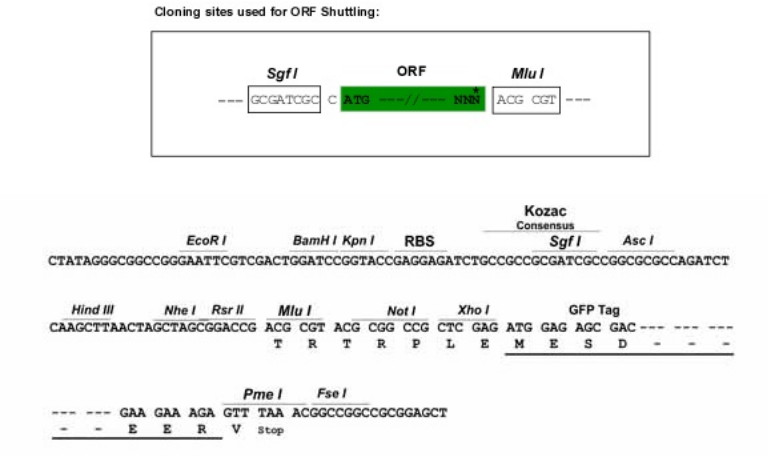
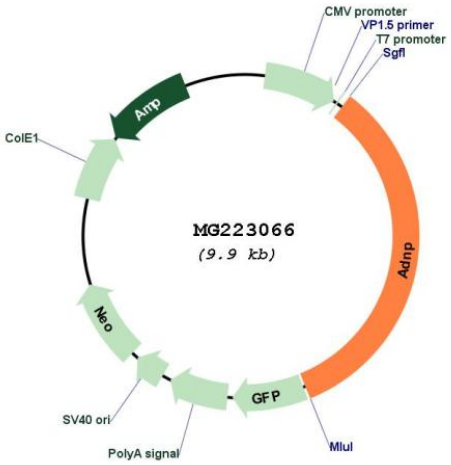
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_009628
ORF Size:	3324 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:	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_009628.3, NP_033758.2
RefSeq Size:	4903 bp
RefSeq ORF:	3327 bp
Locus ID:	11538
UniProt ID:	Q9Z103
Cytogenetics:	2 H3
Gene Summary:	This gene encodes a member of a protein family characterized by nine zinc finger motifs followed by a homeobox domain. In vitro studies demonstrate that the encoded protein interacts with the brahma-related gene1-associated or hBRM factors (BAF) gene expression regulating complex, components of the protein translation machinery, and microtubule-associated proteins. This gene has been implicated in neuroprotection through various processes that include chromatin remodeling, splicing, cytoskeletal reorganization, and autophagy. Homozygous mutant knockout mice display embryonic lethality with defects in neural tube closure. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2016]