

Product datasheet for MR214279

Adtrp (NM_175417) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adtrp (NM_175417) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adtrp
Synonyms:	9530008L14Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR214279 representing NM_175417 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGCTTTCCAGCCTGAACAGAGGGCAGCTGGGACACCCAGGACTCAGAGTGAACGCAGAGCGGGTGC
CACTGTCGCTCCGATCCAGGGAAGCCATGACGAAAACAACCACTTGCCTGTACCCTTCTTGTCTGAA
CTGGTACATTTTCTCAATTATCACATCCACAGATTGGAAGGAATGAGGAGAAGCTAAGGAATCCAT
GACGGTGGCGATCCAAGTACTTGACACTCCTTAATCTGCTCTTGCCAGGCCATTTCTTTGGGGTGCCT
GCCTGGATGATGTGCTGAAAAGAGTCATCGGAAGGAAAGACATCAAGTTTGTACATCCTCAGAGATCT
GCTCTTTACCACAATGGCTTTTCTATATCCACATTTGTGTTCTTGGTATTCTGGACTCTTTCTACTAC
GACCGGAGCCTCGTTTACCCCAAGGGCTTGGATGACTTCTTCCAGCATGGGTTAACCACGCAATGCATA
CCTCCATATTTCCCTTTTCACTGTTTGAACCATCCTCAGACCACACAATATCCATCGAAGAAGTAGG
ACTCACCTTGCTGGGTGCTTTAATTTTGCCTACATCATCAGGATCCTGTGGCGCTACGTTCCAGACTGGA
AACTGGGTGTACCCCGTGTGACTCCCTCAGCCCACTGGGATATTATCATCTTCTCTCAGCCGCTTACA
TCCTAGTCGCCGGCATCTACCTGTTTGGCGAGAAGATCAATCACTGGAATGGGGTGCCATAGCAAAGCC
ACAGATGAAGAAGAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR214279 representing NM_175417
Red=Cloning site Green=Tags(s)

MQLSSLNRGQLGHPGLRVNAERVPLSLRSREAMTKTTTCVYHFLVLNWIYFLNYHIPQIGRNEEKLERFH
 DGGRSKYLTLNLLLQAIFFGVACLDDVLKRVIGRKDIKVFVTSFRDLLFTTMAFPISTFVFLVFWTLFHY
 DRSLVYPKGLDDFFPAWVNHAMHTSIFPFSLFETILRPHNYPSSKLLGLTLLGAFNFAYIIRILWRYVQTG
 NWWYVPVFDLSPLGIIFFSAAAYILVAGIYLFGEKINHVKWGAIAKPQMKKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1859_b08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175417

ORF Size: 786 bp

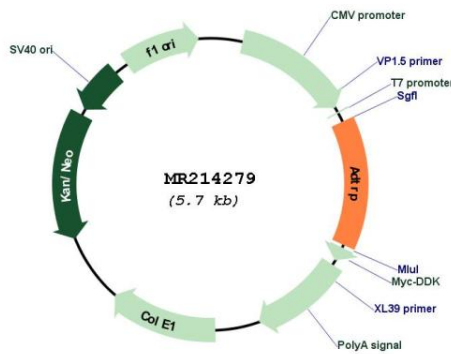
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_175417.4](#), [NP_780626.1](#)
- RefSeq Size:** 2440 bp
- RefSeq ORF:** 789 bp
- Locus ID:** 109254
- UniProt ID:** [Q8C138](#)
- Cytogenetics:** 13 A4
- MW:** 31 kDa
- Gene Summary:** Regulates the expression and the cell-associated anticoagulant activity of the inhibitor TFPI in endothelial cells (in vitro).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR214279