

Product datasheet for **RR213492**

Add1 (NM_016990) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Add1 (NM_016990) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Add1
Synonyms:	MGC124621
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR213492 representing NM_016990
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGGTGACACGCGGCCGAGTGGTGACCTCACCACCTCCAACCACAGCCCCTCACAAGGAGAGGT
 ACTTTGACAGAGTCGATGAGAACAATCCAGAATATTTGCGGGAGAGGAACATGGCACCAGACCTTGTCA
 GGACTTCAATATGATGGAGCAGAAGAAGAGGGTGTCTATGATTCTGCAGAGTCCCGCCTTCTGTGAAGAG
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 AGGGCTCTGAAGAGAACCTGGACGAGACAAGAGAGCAGAAAGAGAAGAGTCTCCAGACCAGTCACTGT
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 GGCAGCGATGCCACCACCTCAAAGCCGACTCCCGCTGACCTCTCCCTGATGAGCCTTCAAGAAGCACTTG
 CCTTCCCAACAGTGGCAGAGGAAGCCATGCTTCCCAGACCACTCAGCCCCTTGTGAGGCTGACCC
 TGAGCCAGCCTCAGCCTCAGCTCCAGGAGCTGAAGAGGTAGCCTCCCCTGCCACTGAGGAGGGGTCTCC
 ATGGACCCTGGCAGCGATGGGTCTCCAGGCAAGTCCCATCCAAGAAGAAGAAGAAGTCCCGACCCCGT
 CCTTCTGAAGAAGAGCAAGAAGAAGAGTGACTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213492 representing NM_016990
Red=Cloning site Green=Tags(s)

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MNGDTRAAVVTSPPTTAPHKERYFDRVDENNPEYLRRNMAPDLRQDFNMMEQKKRVSMILQSPAFCEE
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GEKLLRCKLAAFYRLADLFGWSQLIYNHITTRVNSEQEHFLIVPFGLLYSEVTASSLVKVNQGDIVDRG
STNLGVNQAGFTLHSAIYAARPDACIVHIHTPAGA AVSAMKCGLLPISPEALSLGEVAYHDYHGILVDE
EEKILIQKNLGPKSKVLILRNHGLVSVGESVEEAFYYIHNLVVACEIQVRTLASAGGPDNLVLLDPGKYK
AKSRSPGTPAGEGSGSPPKWQIGEQEFEALMRMLDNLGYRTGYRYRYPALRERSKKYSYDVEVPASVTGHS
FASDGSGTCSPLRHSFQKQREKTRWLN SGRGDDASEEGQNGSSPKSKTKWKEDGHRTSTSAVPNLFV
PLNTNPKEVQEMRNKIREQNLQDIKTAGPQSQVLCGVMMDRSLVQGELVASKAIIEKEYQPHVIVSTTG
PNPFNTLTDRELEEYRREVERKQKGSEENLDETREQKEKSPDQSAVPNTPPSTPVKLEGLPQEPTSRD
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MDPGSDGSPGKSPSKKKKFRTPSFLKSKKSDS
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_016990

ORF Size: 2205 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_016990.2](#), [NP_058686.2](#)

RefSeq Size: 3826 bp

RefSeq ORF: 2208 bp

Locus ID: 24170

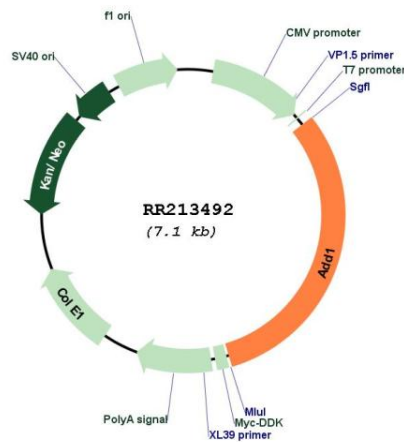
UniProt ID: [Q63028](#)

Cytogenetics: 14q21

MW: 80.4 kDa

Gene Summary: may play a role in membrane cytoskeleton ion transport and signal transduction [RGD, Feb 2006]

Product images:



Circular map for RR213492