

## Product datasheet for RR210293

### Adap1 (NM\_133567) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adap1 (NM_133567) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adap1
Synonyms:	Centa1; p42IP4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR210293 representing NM_133567 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGGATCGCC

ATGGCCGGGGAGCGGCCGGCGCTGCTGGAGCTGCTGACGCGTCCGGGAACTCGCGTCCGCTGACT  
GCGGAGCCCCGGATCCTGACTGGGCGTCTACACCCTGGGTGTTCATCTGTTGAGCTGCTCTGGGAT  
CCACCGAACATCCCCAGGTCAGCAAGGTGAAGTCAGTTCGTCGATCCCTGGGATGAGACCAAGTT  
GAGTTCATGACATCTCATGGGAACGAGGCTGCCAGAGCCACATTTGAGTCCAAAGTACCACCTTCTACT  
ACCGGCCACGTTCTCCGACTGCCAACTCCTACGTGAGCAGTGGATCCGTGCCAAGTATGAGAGGCAAGA  
ATTCCTTCATGTGGAGAAACAGGAACCGTACTCTACAGGATACCGTGAGGGCCTTCTCTGGAAGCGTGGC  
CGGGACAACGGACAGTTCTTAAGTCGGAAGTTTGTGCTGACAGAACGAGAGGGTCTCTGAAATACTTCA  
ACAAAAATGACGCTAAGGAGCCTAAGGCTGTCAAGATTGAGCACCTGAATGCCACCTCCAGCCAGC  
CAAGATCGGCCACCCCATGGCCTGCAGGTCACCTACTGAAGGACAACAGCACTCGCAACATCTTTATC  
TACCACGAGGATGGCAAGGAGATCGTGGACTGGTCAATGCGCTGCGAGCAGCCCGCTTCCACTACCTGC  
AGGTGGCTTTCCAGGAGCCAGTGACGCAGATCTGGTGCCCAAGCTCTAGGAACTACCTGAAGGAAGG  
CTACATGGAGAAGACAGGGCCCAAGCAGACAGAAGGCTTTCGGAAGCGCTGGTTACCATGGACGACCCG  
AGGCTCATGTACTTCAAAGACCTCTGGATGCCTTTGCCGAGGGGAAGTCTTCATTGGCAGCAAGGAAA  
GTGGTTACACGGTCTGGAGGGCCTCCACCGTCAACCCAGAGTCACCACTGGCCCCATGGCATCACCAT  
TGTCACCCCTGACCGAAAATTCTGTTCACGTGTGAGACAGAGTCAGACCAGAGGGAGTGGATAGCAGCC  
TTCCAGAAGGTGGTGGACAGGCCATGCTGCCTCAGGAGTACGCAGTGGAAAGCCACTTCAAGCATAAAC  
CC

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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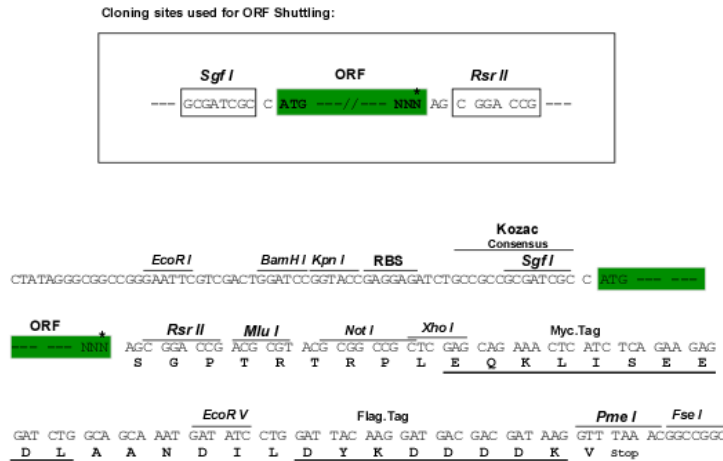
**Protein Sequence:** >RR210293 representing NM\_133567  
 Red=Cloning site Green=Tags(s)

MAGERRRALLELLTRPGNSRCADCGAPDPDWSYTLGVFICLSCSGIHRNIPQVSKVKSVRDLDAWDETQV  
 EFMTSHGNEAARATFESKVPPFYRPTFSDCQLLREQWIRAKYERQFLHVEKQEPYSTGYREGLLWKRG  
 RDNGQFLSRKFVLTREGALKYFNKNDAKEPKAVMKIEHLNATFQPAKIGHPHGLQVTTYLKDNRNIFI  
 YHEDGKEIVDFWNLRAARFHYLQVAFPGASDADLVPKLSRNYLKEGYMEKTGPKQTEGFRKRWF TMDDR  
 RLMYFKDPLDAFARGEVFIGSKEGTYVLEGLPPSTQSHHWPHGITIVTPDRKFLFTCETESDQREWIAA  
 FQKVVD RPMLPQEYAVEAHFKHKP

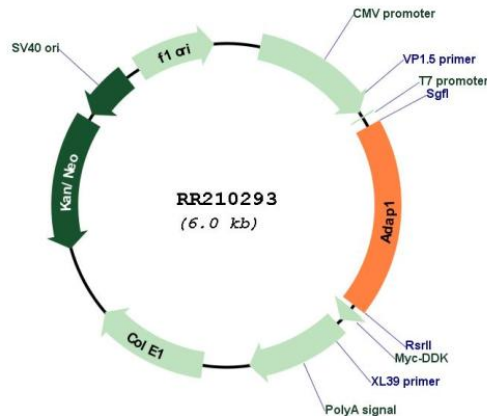
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_133567

<b>ORF Size:</b>	1122 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_133567.2</a> , <a href="#">NP_598251.1</a>
<b>RefSeq Size:</b>	2387 bp
<b>RefSeq ORF:</b>	1125 bp
<b>Locus ID:</b>	171097
<b>Cytogenetics:</b>	12q11
<b>MW:</b>	43.4 kDa
<b>Gene Summary:</b>	binds inositol(1,3,4,5)tetrakisphosphate (InsP4) and phosphatidylinositol(3,4,5)trisphosphate (PtdInsP3);involved in inositol phosphate or inositol lipid signal transduction [RGD, Feb 2006]