

Product datasheet for RC237889

Centaurin alpha 1 (ADAP1) (NM_001284308) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Centaurin alpha 1 (ADAP1) (NM_001284308) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADAP1
Synonyms:	CENTA1; GCS1L; p42IP4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237889 representing NM_001284308 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTCCAGTTTGTTCAGCCGGGTGACTGCATTAACCCTGCAAGAAGAAAATGAAAGAATTTGAAA
AGATGCTGGGGTGTGCAGAGGAAGGGCACGCGAGTCTGGGAAGAGATCCCAGTGGGCTCTACTACTCT
GGGCGTCTTCATCTGCCTGAGCTGCTCGGGAATCCACCGAATATCCCCAGGTCAGCAAGTGAAGTCC
GTCCGCTGGACGCTGGGAGGAGGCCAAGTGGAGTTTCATGGCTCCCACGGGAACGACGCCGCGAGAG
CCAGGTTTGAGTCCAAAGTACCCTCCTTCTACTACCGGCCACGCGCTCCGACTGCCAGTCTCTCGAGA
GCAGTGGATCCGGGCAAGTACGAGCGACAGGAGTTTCATCTACCGGAGAAGCAGGAGCCCTACTCGGCA
GGGTACCGTGAGGGTTTTCTCTGGAAGCGTGGCCGGGACAACGGGCGAGTTTTTGAGCCGGAAGTTTGTGC
TGACAGAACGAGAGGGTCTCTGAAGTATTTCAACAGAAATGATGCCAAGGAGCCCAAGGCCGTGATGAA
GATCGAGCACCTGAACGCCACCTCCAGCCGGCCAAGATCGGCCACCCCAAGGCTGCAGGTACCTAC
CTGAAGGACAACAGCACCCGTAACATCTCATCTACCATGAGGACGGGAAGGAGATTGTGGACTGGTTCA
ATGCCTCCGAGTCTCGCTTCCACTACCTGCAGGTGGCATTCCAGGGGCCAGCGCAGATCTGGT
GCCAAAGCTCTCCAGGAACCTACCTGAAGGAAGGCTACATGGAGAAGACGGGGCCCAAGCAACGGAAGGC
TTCCGGAAGCGTGGTTACCATGGATGACCGCAGGCTCATGTACTTCAAAGACCCCTGGACGCTTCCG
CCCAGGGGAAGTCTTATTGGCAGCAAGGAGAGTGGCTACACGGTGTGCATGGGTTCCCGCCGTCCAC
CCAGGGCCACCACTGGCCACATGGCATCACCATCGTCACGCCGACCGCAAGTTTCTGTTTGCCTGCGAG
ACGGAGTCCGACCAGAGGAGTGGTGGCGCCTTCCAGAAGGCGGTGGACAGGCCCATGCTGCCCCAGG
AGTACGCAGTGGAGGCGCACTTCAAGCATAAACCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237889 representing NM_001284308
Red=Cloning site Green=Tags(s)

MFQFVFSRVYICINPARRKWKFEKMLGCAEEGHASLGRDPDWASYTLGVFICLSCSGIHRNIPQVSKVKS
 VRLDAWEEAQVEFMASHGNDAAARARFESKVPSPFYRPTSDCQLLREQWIRAKYERQEFIYPEKQEPYSA
 GYREGFLWKRGRDNGQFLSRKFVLTREGALKYFNRNDAKEPKAVMKIEHLNATFQPAKIGHPHGLQVTY
 LKDNSTRNIFIYHEDGKEIVDFWNLRAARFHYLQVAFPGASDADLVPKLSRNYLKEGYMEKTGPKQTEG
 FRKRWF TMDRRRLMYFKDPLDAFARGEVFIGSKESGYTVLHGFPSTQGHHPHGITIVTPDRKFLFACE
 TESDQREWVAAFQKAVDRPMLPQEYAVEAHFKHKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

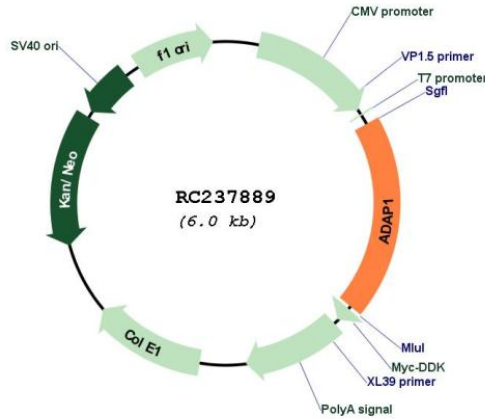
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001284308

ORF Size:	1155 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:	<ol style="list-style-type: none">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_001284308.1 , NP_001271237.1
RefSeq Size:	2195 bp
RefSeq ORF:	1158 bp
Locus ID:	11033
UniProt ID:	O75689
Cytogenetics:	7p22.3
Protein Families:	Druggable Genome
MW:	45.4 kDa
Gene Summary:	GTPase-activating protein for the ADP ribosylation factor family (Probable). Binds phosphatidylinositol 3,4,5-trisphosphate (PtdInsP3) and inositol 1,3,4,5-tetrakisphosphate (InsP4).[UniProtKB/Swiss-Prot Function]