

Product datasheet for **RC237315**

Centaurin alpha 1 (ADAP1) (NM_001284309) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Centaurin alpha 1 (ADAP1) (NM_001284309) 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:	>RC237315 representing NM_001284309 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCTCCACGGGAACGACGCCGCGAGAGCCAGGTTTGAGTCCAAAGTACCCTCCTTCTACTACCGGC
CCACGCCCTCCGACTGCCAGCTCCTTCGAGAGCAGTGGATCCGGGCAAGTACGAGCGACAGGAGTTCAT
CTACCCGGAGAAGCAGGAGCCCTACTCGGCAGGGTACCGTGAGGGTTTTCTCTGGAAGCGTGGCCGGGAC
AACGGGCAGTTTTTGAGCCGGAAGTTGTGCTGACAGAACGAGAGGGTGCTCTGAAGTATTTCAACAGAA
ATGATGCCAAGGAGCCCAAGGCCGTGATGAAGATCGAGCACCTGAACGCCACCTCCAGCCGGCCAAGAT
CGGCCACCCACGGCCTGCAGGTACCTACCTGAAGGACAACAGCACCCGTAACATCTTCATCTACCAT
GAGGACGGGAAGGAGATTGTGGACTGGTTCAATGCACTCCGAGCTGCTCGCTTCCACTACCTGCAGGTGG
CATTCCAGGGGCCAGCGACGCAGATCTGGTGCCAAAGCTCTCCAGGAACCTGAAGGAAGGCTACAT
GGAGAAGACGGGGCCCAAGCAAACGGAAGGCTCCGGAAGCGTGGTTACCATGGATGACCCGAGGCTC
ATGTACTTCAAAGACCCCTGGACGCCTCGCCGAGGGGAAGTCTTATTGGCAGCAAGGAGAGTGGCT
ACACGGTGCTGCATGGGTTCCCGCGTCCACCCAGGGCCACCACCTGGCCACATGGCATCACCATCGTCAC
GCCCCGACCGCAAGTTTCTGTTTGCCTGCGAGACGGAGTCCGACCAGAGGGAGTGGGTGGCCGCTTCCAG
AAGCGGTGGACAGGCCCATGCTGCCCCAGGAGTACGCAGTGGAGGCGCACTTCAAGCATAAACCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237315 representing NM_001284309
Red=Cloning site Green=Tags(s)

MASHGNDAAARARFESKVPFSFYRPTSDCQLLREQWIRAKYERQEFIYPEKQEPYSAGYREGFLWKRGRD
 NGQFLSRKFVL TEREKALKYFNNDAKEPKAVMKIEHLNATFQPAKIGHPHGLQVTVLKDNRNIF IYH
 EDGKEIVDFWNLRAARFHYLQVAFPGASDADLVPKLSRNYLKEGYMEKTGPKQTEGFRKRWFTMDDRRLL
 MYFKDPLDAFARGEVFIGSKESGYTVLHGFPSTQGHHPHGITIVTPDRKFLFACETESDQREWVAAFQ
 KAVDRPMLPQEYAVEAHFKHKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

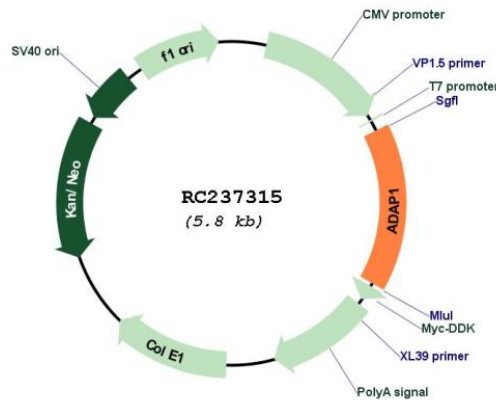
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001284309

ORF Size: 906 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_001284309.1 , NP_001271238.1
RefSeq Size:	2135 bp
RefSeq ORF:	909 bp
Locus ID:	11033
UniProt ID:	O75689
Cytogenetics:	7p22.3
Protein Families:	Druggable Genome
MW:	35.8 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]