

## Product datasheet for RC237316

### Centaurin alpha 1 (ADAP1) (NM\_001284310) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Centaurin alpha 1 (ADAP1) (NM_001284310) 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:	>RC237316 representing NM_001284310 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCCTCCACGGGAACGACGCCGCGAGAGCCAGGTTTGAGTCCAAAGTACCCTCCTTCTACTACCGGC  
CCACGCCCTCCGACTGCCAGCTCCTTCGAGAGCAGTGGATCCGGGCCAAGTACGAGCGACAGGAGTTCAT  
CTACCCGGAGAAGCAGGAGCCCTACTCGGCAGGGTACCGTGAGGGTTTTCTCTGGAAGCGTGGCCGGGAC  
AACGGGCAGTTTTTGTAGCCGGAAGTTGTGCTGACAGAACGAGAGGGTGCTCTGAAGATTTCAACAGAA  
ATGATGCCAAGGAGCCCAAGGCCGTGATGAAGATCGAGCACCTGAACGCCACCTCCAGCCGGCCAAGAT  
CGGCCACCCACCGCCTGCAGGTACCTACCTGAAGGACAACAGCACCCGTAACATCTTCATCTACCAT  
GAGGACGGGAAGGAGATTGTGGACTGGTTCAATGCACTCCGAGCTGCTCGCTTCCACTACCTGCAGGTGG  
CATTCCCAGGGGCCAGCGACGCAGATCTGGTGCCAAAGCTCTCCAGGAACACCTGAAGGAAGGCTACAT  
GGAGAAGACGGGGCCCAAGCAAACGGAAGGCTCCGGAAGCGTGGTTACCATGGATGACCCGAGGCTC  
ATGTACTTCAAAGACCCCTGGACGCTTCGCCGAGGGGAAGTCTTATTGGCAGCAAGGAGAGTGGCT  
ACACGGTGCTGCATGGGTTCCCGCGTCCACCCAGGGCCACCACCTGGCCACATGGCATCACCATCGTCAC  
GCCCAGCCGAAGTTTCTGTTTGCCTGCGAGACGGAGTCCGACCAGAGGGAGTGGGTGGCCGCTTCCAG  
AAGCGGTGGACAGGCCCATGCTGCCCCAGGAGTACGCAGTGGAGGCGCACTTCAAGCATAAACCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237316 representing NM\_001284310  
 Red=Cloning site Green=Tags(s)

MASHGNDAAARARFESKVPFSFYRPTSDCQLLREQWIRAKYERQEFIYPEKQEPYSAGYREGFLWKRGRD  
 NGQFLSRKFVL TEREKALKYFNNDAKEPKAVMKIEHLNATFQPAKIGHPHGLQVTVLKDNRNIF IYH  
 EDGKEIVDFWLNALRAARFHYLQVAFPGASDADLVPKLSRNYLKEGYMEKTGPKQTEGFRKRWFTMDDRRLL  
 MYFKDPLDAFARGEVFIGSKESGYTVLHGFPSTQGHHPHGITIVTPDRKFLFACETESDQREWVAAFQ  
 KAVDRPMLPQEYAVEAHFKHKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

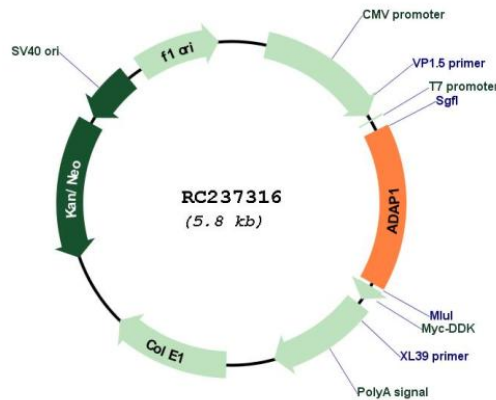
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001284310

**ORF Size:** 906 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_001284310.1</a> , <a href="#">NP_001271239.1</a>
<b>RefSeq Size:</b>	2110 bp
<b>RefSeq ORF:</b>	909 bp
<b>Locus ID:</b>	11033
<b>UniProt ID:</b>	<a href="#">O75689</a>
<b>Cytogenetics:</b>	7p22.3
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	35.8 kDa
<b>Gene Summary:</b>	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]