

## Product datasheet for **RG207549**

### Centaurin alpha 1 (ADAP1) (NM\_006869) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Centaurin alpha 1 (ADAP1) (NM_006869) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADAP1
Synonyms:	CENTA1; GCS1L; p42IP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207549 representing NM_006869 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCAAGGAGCGCGCAGGGCGTCTGGAGCTGCTGCAGCGGCCGGGAACGCGCTGCGCGGACT  
GCGGCGCCCCGGATCCCAGCTGGCCTCTACACTCTGGCGTCTTCATCTGCCTGAGCTGCTCGGGAAT  
CCACCGGAATATCCCCAGGTGAGCAAGGTGAAGTCCGTCGCGCTGGACGCTGGAGGAGGCCAAGTG  
GAGTTCATGGCCTCCCACGGGAACGACGCCGCGAGAGCCAGGTTTGAGTCCAAGTACCCTCTTACT  
ACCGGCCACGCCCTCCGACTGCCAGCTCCTTCGAGAGCAGTGGATCCGGCCAAGTACGAGCGACAGGA  
GTTTCATCTACCCGGAGAAGCAGGAGCCCTACTCGGCAGGGTACCGTGAGGGTTTTCTCTGGAAGCGTGGC  
CGGGACAACGGGCAAGTTTTGAGCCGGAAGTTGTGCTGACAGAACGAGAGGGTGTCTGAAGTATTCA  
ACAGAAATGATGCCAAGGAGCCCAAGGCCGTGATGAAGATCGAGCACCTGAATGCCACCTCCAGCCGGC  
CAAGATCGGCCACCCACGGCCTGCAGGTACCTACCTGAAGGACAACAGCACCCGTAACATCTTCATC  
TACCATGAGGACGGGAAGGAGATTGTGGACTGGTCAATGCACTCCGAGCTGCTCGCTTCCACTACCTGC  
AGGTGGCATTCCCAGGGCCAGCGACGCAGATCTGGTGCCAAAGCTCTCCAGGAACCTACCTGAAGGAAGG  
CTACATGGAGAAGACGGGGCCCAAGCAAACGGAAGGCTTCGCGGAGGGGAAGTCTTCATTGGCAGCAAGGAGA  
GTGGCTACACGGTGTGCATGGGTTCCCGCCGTCACCCAGGGCCACCACTGGCCACATGGCATCACCAT  
CGTCACGCCCCGACCGCAAGTTTCTGTTTGCCTGCGAGACGGAGTCCGACCAGAGGGAGTGGGTGGCGGCC  
TTCCAGAAGGCGGTGGACAGGCCATGCTGCCCGAGGAGTACGCAGTGGAGGCGCACTTCAAGCATAAAC  
CT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG207549 representing NM\_006869  
 Red=Cloning site Green=Tags(s)

MAKERRRAVLELLQRPGNARCADCGAPDPDWSYTLGVFICLSCSGIHRNIPQVSKVKSVRLDAWEEAQV  
 EFMASHGNDAARARFESKVPSPFYRPTSDCQLLREQWIRAKYERQEF IYPEKQEPYSAGYREGFLWKRG  
 RDNGQFLSRKFVLTREGALKYFNNDAKEPKAVMKIEHLNATFQPAKIGHPHGLQVTYLKDNRNIF I  
 YHEDGKEIVDFWNLRAARFHYLQVAFPGASDADLVPKLSRNYLKEGYMEKTGPKQTEGFRKRWF TMDDR  
 RLMYFKDPLDAFARGEVFIGSKESGYTVLHGFPSTQGHHPHGITIVTPDRKFLFACETESDQREWVAA  
 FQKAVDRPMLPQEYAVEAHFKHKP

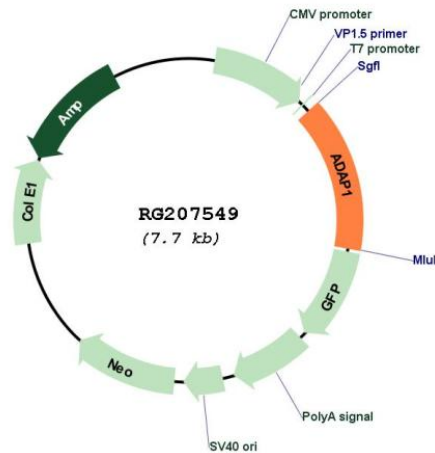
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_006869

<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_006869.1</a> , <a href="#">NP_006860.1</a>
<b>RefSeq Size:</b>	2378 bp
<b>RefSeq ORF:</b>	1125 bp
<b>Locus ID:</b>	11033
<b>UniProt ID:</b>	<a href="#">O75689</a>
<b>Cytogenetics:</b>	7p22.3
<b>Domains:</b>	ArfGap, PH
<b>Protein Families:</b>	Druggable Genome
<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]