

## Product datasheet for **SC128258**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Centaurin alpha 1 (ADAP1) (NM_006869) Human Untagged Clone
Tag:	Tag Free
Symbol:	Centaurin alpha 1
Synonyms:	CENTA1; GCS1L; p42IP4
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_006869 edited
CGCGGCCATGGCCAAGGAGCGGCGCAGGGCGGTCTGGAGCTGCTGCAGCGGCCGGGGAA
CGCGCGCTGCGCGGACTGCGGCGCCCGGATCCCGACTGGGCTCCTACACTCTGGGCGT
CTTCATCTGCCTGAGCTGCTCGGGAATCCACCGGAATATCCCCAGGTACGCAAGGTGAA
GTCCGTCGCTGGACGCTGGGAGGAGGCCAAGTGGAGTTCATGGCCTCCCACGGGAA
CGACGCCGCGAGAGCCAGGTTTGTAGTCCAAAGTACCCTCCTTCTACTACGGGCCACGCC
CTCCGACTGCCAGCTCCTTCGAGAGCAGTGGATCCGGGCCAAGTACGAGCGACAGGAGTT
CATCTACCCGGAGAAGCAGGAGCCCTACTCGGCAGGGTACCGTGAGGGTTTTCTCTGAA
GCGTGCCCGGACAACGGGCAGTTTTTGTAGCCGGAAGTTGTGCTGACAGAACGAGAGGG
TGCTCTGAAGTATTTCAACAGAAATGATGCCAAGGAGCCCAAGGCCGTGATGAAGATCGA
GCACCTGAACGCCACCTTCCAGCCGGCCAAGATCGGCCACCCACGGCCTGCAGGTAC
CTACCTGAAGGACAACAGCACCCGTAACATCTTCATCTACCATGAGGACGGGAAGGAGAT
TGTGGACTGGTTCAATGCACTCCGAGTCTGCTCGTTTCCACTACCTGCAGGTGGCATTCCC
AGGGGCCAGCGACGAGATCTGGTGCCAAAGCTCTCCAGGAACTACCTGAAGGAAGGCTA
CATGGAGAAGACGGGGCCAAGCAAACGGAAGGCTTCCGGAAGCGCTGGTTCACCATGGA
TGACCGCAGGCTCATGTACTTCAAAGACCCCTGGACGCCTTCGCCGAGGGGAAGTCTT
CATTGGCAGCAAGGAGAGTGGCTACACGGTCTGCATGGGTTCCCGCCGTCCACCCAGGG
CCACCACTGGCCACATGGCATCACCATCGTCACGCCCGACCGCAAGTTTCTGTTTGCCTG
CGAGACGGAGTCCGACCAGAGGGAGTGGGTGGCGGCCCTCCAGAAGGCGGTGGACAGGCC
CATGCTGCCCCAGGAGTACGCACTGGAGGCGCACTTCAAGCATAAACCTTAGCGAGTGGC
GCTGGAGGACCACGGACATTGGACTCACTGTGGCTGGACGGAGGGGACCCGTGGATGGGG
GGGCTCTGGCGTCTGAGGCCACCTGGCCCCACCTGCTCCTCAGGGCAGCCCGCGCGGC
CAGGTAGGGCCCGAGCTTCACTTCCAGGATGCTTCTCTGGAACCTCAAGGCAGGCAGCC
CAGGCCCTGGGCCTGATCTCTAACCCTCATGCTGCTGCTGACCAACCCAGCCAACCT
GCCCTCCTGACCCGGGGCCCCCTTCTCCAGGGCCAGTCTGGCTCCCGAGCTCAGA
CACAGCCCCAGGAGCCGCCACCACGGCTGTGGAACTTCCAGGCCTCAGCGCAGAGCC
CTGCTTGGGGCCAGCACGGTGGGCAGCTGCCGGCCGCTGGGGACTGGGCCTGCTCGCAT
GCCGCCCGCCCTCCCCCACCTCCACGACTATTTATTGAGCGCCTGTTGTGTGCACGG
GGCTATGAGGGCCGTGGGTGTTTGGGTGGATTATCCACACAGGTCCCGGCCCTGCCCG
GGCTGGAGTTGCCACAGCCTGTGCTCCTGGTCTCACCTGGAGGGGCCAGCAGGTGCCG
TCCACCACACGTGGCCTCTGCGCCAGCACGGTCTCGCCGACAGTGGTGTCTGAACCC
TTGGGGACGAGGGCCTGGGCCGCGGTGAGGCCACCAGAGGCAGGAGTGGCCCTGGGGTC
CCGGGCACTGTGCGCTTGTGTCAGGCGGCCAGCCGTGATTTATTTTTACCTATCTC
TTCTGTCAAGGCAGGCCGGGCTCCAGGGCTCCCTTGGCTGGGGCATGTAGGTGGGGG
AGGCGTCTGCAGGTACCTGGGGGGCCAGCCCTCTCCAGCCTTGCCTGGCTGAGCTGT
GTTCCAGGGGAGCCCTGGACAAGCCCTCATAGGCAGGGAGGGGTTTCCGAGGCCAGGCA
TCCGCCGCCCGTGTGTCATCCTGGAATAAAATGTGGCTCTGGCATGGTTAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_006869 unedited GTCCCGTTACATATTGTATACGACTCATATAGGCGGCCGCGNATTCCTCCGGGATCGCGGC CATGGCCAAGNAGCGGCGCAGGGCGGTCTGGAGCTGCTGCAGCGGCCGGGGAACGCGCG CTGCGCGGACTGCGGCGCCCCGGATCCCAGTGGGCTCCTACACTCTGGGCGTCTTCAT CTGCTGAGCTGCTCGGGAATCCACCAGGAATATCCCCAGGTAGCAAGGTGAAGTCCGT CCGCCTGGACGCCTGGGAGGAGGCCAAGTGGAGTTCATGGCTCCCACGGGAACGACGC CGCGAGACCCAGGTTTGTAGTCCAAAGTACCCTCCTTCTACTACCGGCCACGCCCTCCGA CTGCCAGTCTCTCGAGAGCAGTGGATCCGGGCCAAGTACGAGCGACAGGAGTTCATCTA CCCGGAGAAGCAGGAGCCCTACTCGGCAGGTTACCGTGAGGGTTTTCTCTGGAAGCGTGG CCGGGACAACGGGCAGTTTTTGTAGCCGGAAGTTTGTGCTGACAGAACGAGAGGGTCTCT GAAGTATTTCAACAGAAATGATGCCAAGGAGCCCAAGGCCGTGATGAAGATCGAGCACCT GAACGCCACCTTCCAGCCGGCCAAGATCGGCCACCCACGGCCTGCAGGTCACCTACCT GAAGGACAACAGCACCCGTAACATCTTCATCTACCATNGAGACGGGAAGGGGAGATGTGG ACTGGNTCAATGCACTCCGAGCTGCTCGCTTCCACTACCCTGCAGTGGCATTCCCAGGGC CAGCGACGCAGATCTGGTGCCAAAAGCTCTCAGAACTACCTGANGAANGCTACATGGAGA GACGGGCCAAGCAAACGAAGGCTTCCGNAGCCCTGGTCACA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_006869
<b>Insert Size:</b>	2200 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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

**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]

Transcript Variant: This variant (1) represents the predominant transcript and encodes isoform 1.