

## Product datasheet for **SC335024**

### Centaurin alpha 1 (ADAP1) (NM\_001284311) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Centaurin alpha 1 (ADAP1) (NM_001284311) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAP1
Synonyms:	CENTA1; GCS1L; p42IP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001284311, the custom clone sequence may differ by one or more nucleotides

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ATGGTATTGGCTTCACTCGAGCTCCTTCGAGAGCAGTGGATCCGGGCCAAGTACGAGCGACAGGAGTTCA
TCTACCCGGAGAAGCAGGAGCCCTACTCGGCAGGGTACCGTGAGGGTTTTCTCTGGAAGCGTGGCCGGGA
CAACGGGCAGTTTTTGTAGCCGGAAGTTGTGCTGACAGAACGAGAGGGTCTCTGAAGTATTTCAACAGA
AATGATGCCAAGGAGCCCAAGGCCGTGATGAAGATCGAGCACCTGAACGCCACCTCCAGCCGGCCAAGA
TCGGCCACCCACGGCCTGCAGGTCACCTACCTGAAGGACAACAGCACCCGTAACATCTTCATCTACCA
TGAGGACGGGAAGGAGATTGTGGACTGGTCAATGCACTCCGAGCTGCTCGTTCCTACTACCTGCAGGTG
GCATTCAGGGGCCAGCGACGAGATCTGGTGCCAAAGCTCTCCAGGAACCTACCTGAAGGAAGGCTACA
TGGAGAAGACGGGGCCCAAGCAAACGGAAGGCTTCCGGAAGCGCTGGTTCACCATGGATGACCGCAGGCT
CATGTACTTCAAAGACCCCTGGACGCCTTCGCCCAGGGGAAGTCTTCATTGGCAGCAAGGAGAGTGGC
TACACGGTGTGCATGGGTTCCCGCCGTCCACCCAGGGCCACCACTGGCCACATGGCATCACCATCGTCA
CGCCCCACCGCAAGTTTCTGTTTGCCTGCGAGACGGAGTCCGACCAGAGGGAGTGGGTGGCGCCTTCCA
GAAGGCGGTGGACAGGCCATGCTGCCCCAGGAGTACGCACTGGAGGCGCACTTCAAGCATAAACCTTAG
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001284311
OTI Disclaimer:	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).



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<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>	<u>NM_001284311.1, NP_001271240.1</u>
<b>RefSeq Size:</b>	1963 bp
<b>RefSeq ORF:</b>	840 bp
<b>Locus ID:</b>	11033
<b>UniProt ID:</b>	<u>O75689</u>
<b>Cytogenetics:</b>	7p22.3
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (5) lacks 2 exons at the 5' end and contains an alternate 5' terminal exon, which results in translation initiation from an alternate start codon compared to variant 1. The resulting shorter isoform (4) has a distinct N-terminus compared to isoform 1.</p>