

Product datasheet for **SC335783**

Centaurin alpha 1 (ADAP1) (NM_001284308) Human Untagged Clone

Product data:

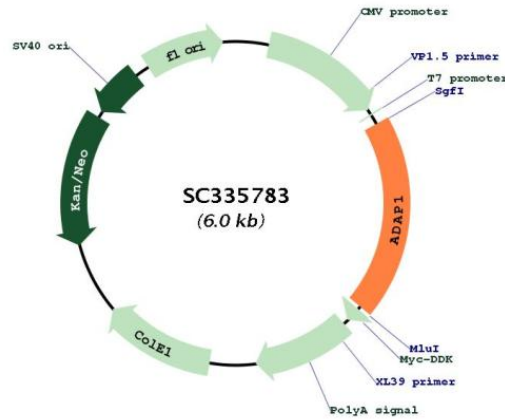
Product Type:	Expression Plasmids
Product Name:	Centaurin alpha 1 (ADAP1) (NM_001284308) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAP1
Synonyms:	CENTA1; GCS1L; p42IP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335783 representing NM_001284308. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGTTCCAGTTTGTTCAGCCGGGTGACTGCATTAACCCTGCAAGAAGAAAATGGAAAGAATTTGAA
AAGATGCTGGGGTGTGCAGAGGAAGGGCACGCGAGTCTGGGAAGAGATCCCGACTGGGCCTCTACACT
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TCCGTCGCGCTGGACGCCTGGGAGGAGGCCAAGTGGAGTTCATGGCCTCCACGGGAACGACGCCGCG
AGAGCCAGGTTT GAGTCCAAAGTACCCTCTTCTACTACCGGCCACGCCCTCCGACTGCCAGCTCCTT
CGAGAGCAGTGGATCCGGCCAAGTACGAGCGACAGGAGTTCATCTACCGGAGAAGCAGGAGCCCTAC
TCGGCAGGGTACCGT GAGGGTTTTCTCTGGAAGCGTGGCCGGGACAACGGGCAGTTTTT GAGCCGGAAG
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GCAGATCTGGTGCCAAAGCTCTCCAGGAACTACCTGAAGGAAGGCTACATGGAGAAGACGGGGCCCAAG
CAAACGGAAGGCTTCCGGAAGCGCTGGTTCACCATGGATGACCGCAGGCTCATGTACTTCAAAGACCCC
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CCCATGCTGCCCCAGGAGTACGCAGTGGAGGCGCACTTCAAGCATAAACCTTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001284308

Insert Size: 1158 bp

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).

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:

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_001284308.1](#)

RefSeq Size: 2195 bp

RefSeq ORF: 1158 bp

Locus ID: 11033

UniProt ID: [O75689](#)

Cytogenetics: 7p22.3

Protein Families: Druggable Genome

MW: 45 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]

Transcript Variant: This variant (2) contains an alternate 5' terminal exon and initiates translation from an alternate upstream start codon compared to variant 1. The resulting longer isoform (2) has a distinct N-terminus compared to isoform 1.