

Product datasheet for SC335210

Centaurin alpha 1 (ADAP1) (NM_001284310) Human Untagged Clone

Product data:

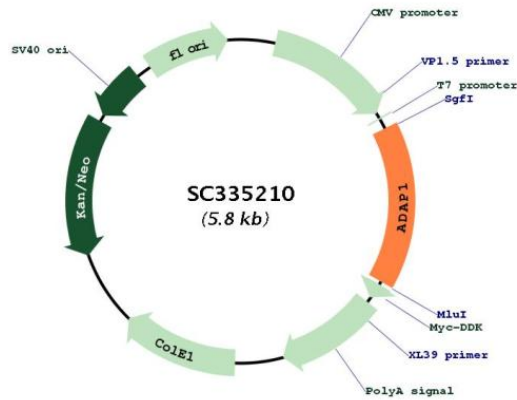
| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Centaurin alpha 1 (ADAP1) (NM_001284310) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | ADAP1 |
| Synonyms: | CENTA1; GCS1L; p42IP4 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC335210 representing NM_001284310. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCCTCCCACGGGAACGACGCCGCGAGAGCCAGGTTTGAGTCCAAAGTACCCTCCTTCTACTACCGG
CCCACGCCCTCCGACTGCCAGCTCCTTCGAGAGCAGTGGATCCGGGCCAAGTACGAGCGACAGGAGTTC
ATCTACCCGGAGAAGCAGGAGCCCTACTCGGCAGGGTACCGTGAGGGTTTTCTCTGGAAGCGTGCCCG
GACAACGGGCAGTTTTTGTAGCCGGAAGTTGTGCTGACAGAACGAGAGGGTGCTCTGAAGTATTTCAAC
AGAAATGATGCCAAGGAGCCCAAGGCCGTGATGAAGATCGAGCACCTGAACGCCACCTTCCAGCCGGCC
AAGATCGGCCACCCACGGCCTGCAGGTCACCTACCTGAAGGACAACAGCACCCGTAACATCTTCATC
TACCATGAGGACGGGAAGGAGATTGTGGACTGGTTCAATGCACTCCGAGCTGCTCGTTCCTACTACCTG
CAGGTGGCATTCCAGGGGCCAGCGACGCAGATCTGGTGCCAAAGCTCTCCAGGAACTACCTGAAGGAA
GGCTACATGGAGAAGACGGGGCCCAAGCAAACGGAAGGCTTCCGGAAGCGCTGGTTCACCATGGATGAC
CGCAGGCTCATGTACTTCAAAGACCCCTGGACGCCTTCGCCGAGGGGAAGTCTTCATTGGCAGCAAG
GAGAGTGGCTACACGGTGTGATGGTTCCCGCCGTCCACCCAGGGCCACCACTGGCCACATGGCATC
ACCATCGTCACGCCGACCGCAAGTTTCTGTTTGCTGCGAGACGGAGTCCGACCAGGGAGTGGGTG
GCGGCCCTCCAGAAGCGGTGGACAGGCCCATGCTGCCCCAGGAGTACGCAGTGGAGGCCACTTCAAG
CATAAACCTTAG
ACGCGTACGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001284310

Insert Size: 909 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_001284310.1](#)

RefSeq Size: 2110 bp

RefSeq ORF: 909 bp

Locus ID: 11033

UniProt ID: [O75689](#)

Cytogenetics: 7p22.3

Protein Families: Druggable Genome

MW: 35.4 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 (4) lacks an exon at the 5' end and contains an alternate 5' terminal exon, which results in translation initiation from an in-frame downstream start codon compared to variant 1. The resulting isoform (3) has a shorter N-terminus compared to isoform 1. Variants 3 and 4 encode the same isoform.