

Product datasheet for SC310920

ARAP1 (NM_001040118) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARAP1 (NM_001040118) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARAP1
Synonyms:	CENTD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310920 representing NM_001040118. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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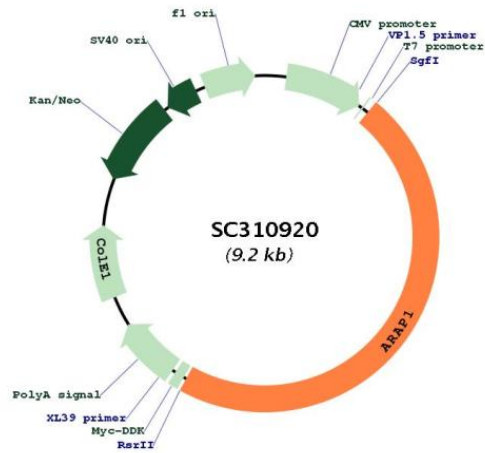
[View online >](#)

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Restriction Sites:

Sgfl-RsrII

Plasmid Map:


ACCN: NM_001040118

Insert Size: 4353 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001040118.2](#)

RefSeq Size: 5155 bp

RefSeq ORF: 4353 bp

Locus ID: 116985

UniProt ID: [Q96P48](#)

Cytogenetics: 11q13.4

Protein Pathways: Endocytosis

MW: 162.2 kDa

Gene Summary: The protein encoded by this gene contains SAM, ARF-GAP, RHO-GAP, ankyrin repeat, RAS-associating, and pleckstrin homology (PH) domains. In vitro, this protein displays RHO-GAP and phosphatidylinositol (3,4,5) trisphosphate (PIP3)-dependent ARF-GAP activity. The encoded protein associates with the Golgi, and the ARF-GAP activity mediates changes in the Golgi and the formation of filopodia. It is thought to regulate the cell-specific trafficking of a receptor protein involved in apoptosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2008]
Transcript Variant: This variant (3) is the longest transcript and it encodes the longest protein (isoform c).