

Product datasheet for RC217979

ASAP1 (NM_018482) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASAP1 (NM_018482) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ASAP1
Synonyms:	AMAP1; CENTB4; DDEF1; PAG2; PAP; ZG14P
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217979 representing NM_018482 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGATCTTCAGCCTCCAGGCTCTCCAGTTTTTCGTCGAGAGATTCACTATGGAATCGGATGCCGGACC
AGATCTCTGTCTCGAGTTCATCGCCGAGACCACCGAGGACTACAACCGCCACCACGTCCAGTTCAC
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GTTTGTCAAGTTTTCTACTCTTACAAAGGAAGTCCACACTGCTGAAAAATCTGCTCCAGGTTTTGAGC
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AGCCATTTGACAAAGCCTGGAAAGATTATGAGACAAAGTTTACAAAAATTGAGAAAAGAGAAAAGAGAGCA
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ATTCAGTCTTTGGAAGTACAGCAAATTAGGAACTTCTGAACTCTTCTGCTGGCCAAGAATGTAGGAAACAATA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC217979 representing NM_018482
Red=Cloning site Green=Tags(s)

MRSSASRLSSFSSRDSLWNRMPDQISVSEFIAETTEDYNSPTTSSFTTRLHNCRNTVTLLEEALDQDRTA
 LQKVKKSVKAIYNSGQDHVQNEENYAQVLDKFGSNFLSRDNDLGTAFVKFSTLTKELSTLLKNLLQGLS
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6219_g07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

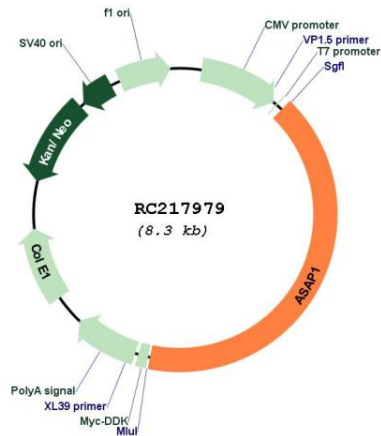


ACCN: NM_018482

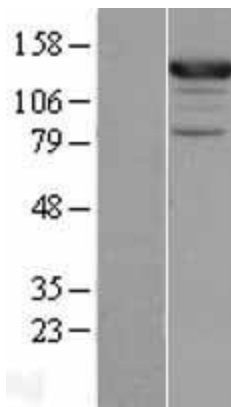
ORF Size: 3387 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_018482.4
RefSeq Size:	6042 bp
RefSeq ORF:	3390 bp
Locus ID:	50807
UniProt ID:	Q9ULH1
Cytogenetics:	8q24.21-q24.22
Protein Pathways:	Endocytosis, Fc gamma R-mediated phagocytosis
MW:	125.3 kDa
Gene Summary:	This gene encodes an ADP-ribosylation factor (ARF) GTPase-activating protein. The GTPase-activating activity is stimulated by phosphatidylinositol 4,5-biphosphate (PIP2), and is greater towards ARF1 and ARF5, and lesser for ARF6. This gene maybe involved in regulation of membrane trafficking and cytoskeleton remodeling. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

Product images:



Circular map for RC217979



Western blot validation of overexpression lysate (Cat# [LY413020]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217979 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).