

Product datasheet for RC235174

ASAP1 (NM_001247996) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ASAP1 (NM_001247996) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ASAP1
Synonyms: AMAP1; CENTB4; DDEF1; PAG2; PAP; ZG14P
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235174 representing NM_001247996
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTTTCAAATTTAAAGAGGATTATGGCCAGAAATGGATGCCGGACCAGATCTCTGTCTCGGAGTTCA
 TCGCCGAGACCACCGAGGACTACAACCTCGCCACCACGTCAGCTTCACCACGGCGTGCACAACCTGCAG
 GAACACCGTCACGCTGCTGGAGGAGGCTCTAGACCAAGATAGAACAGCCCTTCAGAAAGTGAAGAAGTCT
 GTAAAAGCAATATATAATTCTGGTCAAGATCATGTACAAAATGAAGAAAATATGCACAAGTTCTTGATA
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CAAATTTACCCAGCCCCTCACAAAACCCACCCCTTCAAGTGATATGACTGTACGAAAAGAATATATCAC
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 GACATCTCTCCATTTGGTTGACTTCCTTGTACAAAACCTGTGGGAACCTGGATAAGCAGACGGCCCTGGGA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
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Protein Sequence:

>RC235174 representing NM_001247996
 Red=Cloning site Green=Tags(s)

MVSNLKRIMAQKWPDPQISVSEFIAETTEDYNSPTTSSFTTTRLHNCRNTVTLLEEALDQDRTALQKVKKS
 VKAIYNSGQDQHVQNEENYAQVLDKFGSNFLSRDNPDLGTAFAVKFSTLTKELSTLLKNLLQGLSHNVIFTL
 DSKLLKGLDKGKLDLKKPFDKAWKDYETKFTKIEKEKREHAKQHGMIRTEITGAEIAEEMEKEKRRFLQ
 MCEYLKIVNEIKTKKGVDLLQNLIKYYHAQC�FFQDGLKTADKQYIEKLAADLYNIKQTQDEEKKQLT
 ALRDLIKSSLQLDQKEDSQSRQGGYSMHQLQGNKEYGSEKKGYLKSDGIRKVVQRRKCSVKNGILTIS
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 SAGENSLEDLTKAIIEDVQRLPGNDICDCGSSEPTWLNSTNLGILTCIECSGIHREMGVHISRIQSLELD
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 LEAIKSRDLLALIQVYAEVELMEPLLEPGQELGETALHLAVRTADQTSLLHLVDFLVQNCGNLDKQALG
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 SD

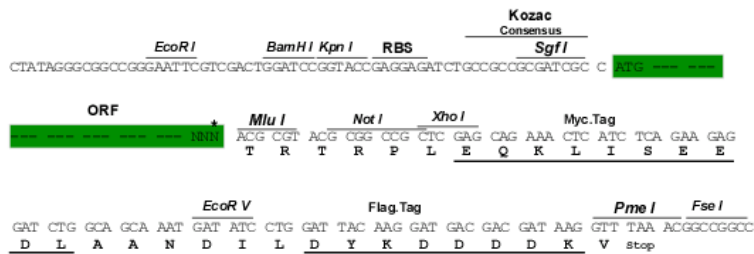
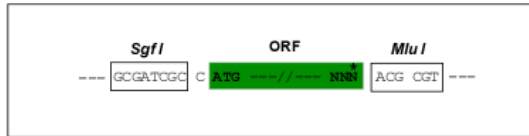
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

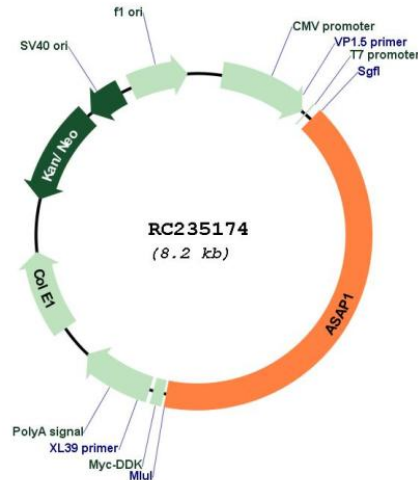
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001247996

ORF Size: 3366 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:

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_001247996.1](#), [NP_001234925.1](#)

RefSeq Size: 6361 bp

RefSeq ORF: 3369 bp

Locus ID: 50807

UniProt ID: [Q9ULH1](#)

Cytogenetics: 8q24.21-q24.22

Protein Pathways:	Endocytosis, Fc gamma R-mediated phagocytosis
MW:	125.2 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]