

Product datasheet for **SC127851**

ASAP1 (NM_018482) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASAP1 (NM_018482) Human Untagged Clone
Tag:	Tag Free
Symbol:	ASAP1
Synonyms:	AMAP1; CENTB4; DDEF1; PAG2; PAP; ZG14P
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018482, the custom clone sequence may differ by one or more nucleotides

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ATGAGATCTTCAGCCTCCAGGCTCTCCAGTTTTTCGTCGAGAGATTCACATGGAATCGGATGCCGGACC
AGATCTCTGTCTCGGAGTTCATCGCCGAGACCACCGAGGACTACAACCGCCACCACGTCAGCTTAC
CACGCGGCTGCACAACCTGCAGGAACACCGTCACGCTGCTGGAGGAGGCTCTAGACCAAGATAGAACGCC
CTTCAGAAAGTGAAGAAGTCTGTAAAAGCAATATAAATTCTGGTCAAGATCATGTACAAAATGAAGAAA
ACTATGCACAAGTCTTGATAAGTTTGGGAGTAATTTTTTAAGTCGAGACAACCCCGACCTTGGCACC GC
GTTTGTCAAGTTTTCTACTCTTACAAGGAAGTCCACACTGCTGAAAAATCTGCTCCAGGTTTTGAGC
CACAAATGTGATCTTCACCTTGGATTCTTTGTTAAAAGGAGACCTAAAGGGAGTCAAAGGAGATCTCAAGA
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ATTCAGTCTTTGAACTAGACAAATTAGGAACTTCTGAACTTCTGCTGGCCAAGAATGTAGGAAACAATA
GTTTTAATGATATTATGGAAGCAATTTACCCAGCCCTCACAAAACCCACCCCTCAAGTGATATGAC
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TGTACGAAAAGAATATATCACTGCAAAGTATGTAGATCATAGGTTTTCAAGGAAGACCTGTCAACTTCA
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 CAGAAGGGGTAGAGCTAATGGAACCACTGCTGGAACCTGGGCAGGAGCTTGGGGAGACAGCCCTTCCCT
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 GTGTCCTTTGTTTCATATCTGTCTGACTAG

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018482 unedited
 AGGGCGGCCCGCAATTCGGCACGAGGCGCCCTTCTGCGCGCTCGGCTCCCAGC
 CTCGCCTGGCCTGGCCGCTGCCGCGGGCAGCACTGTGCGCTGGGCAGCCCCGGGCCCGC
 GCCTCCCGCCAGCCGGCGCTTCCCGGTCGAGTTCGCTTTCCACCCGAGAGCCGCGAG
 CGCCCGGCCGAACCCGCGATGGAATAATGCCAGCGGCCCGCCAGGTCCCGGTCGTTTTT
 TGATGTGACGGCTGAGACATGAGATCTTACGCCTCCAGGCTCTCCAGTTTTTTCGTCGAGA
 GATTCATATGGAATCGGATGCCGACCAGATCTCTGTCTCGGAGTTCATCGCCGAGACC
 ACCGAGGACTACAACCTCGCCACCACGTCCAGCTTACCACGCGGCTGCACAACCTGCAGG
 AACACCGTCACGCTGCTGGAGGAGGCTCTAGACCAAGATAGAACAGCCCTTCCAGAAAGT
 AAGAAGTCTGTAAGCAATATATAATTCTGGTCAAGATCATGTACAAAATGAAGAAAAC
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 GGCACCGGTTTTGTAAGTTTTCTACTTTACCAAGGAAGTGTCCACACTTGCTGAAAAA
 ATCTGCTCCCAGGGTTTGAACCACCAATGTGATCTTTCCCTTGGGATTCTTTTGTAA
 AAGGAAAACCTTAAAAGCGATTCCAAGAGAGATCTTAAAGAAATGCCATTTGGACCAAAGC
 CTGGAAGACTATGAGACAAAGCTTCAAAAACGGAGAAAAGAAAAAGAGACACGCAAA
 ACATTTGTGATGACCGGCCAGAGATACCAGATCCGTCATCGCCGTAATAAGAGAAA
 GGCGCCTCTTCAACCCAAAGGGTGAAT

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_018482 unedited CATTGAAAAATTACTCAGGACCACAGTGAAAAAACAGCATCTGTTAATGCCAAGCTT ATAAATAGTGCTAAATGTAATGAACTCGGGNACACTCGACCAACCTCATATGCAGACTTC CATCCCGGACACTGGTGTGGCTTCAGTACTGAAGCTGCTAAAGCTGCCAATCCCAACCCA TCATGTCAACTGGTTCCTCATAGCTCTGTTTGGTGTGGAAATTCACATGTGCCCTGACAC TGACGAAGCAGTTGCTTAAAATCACTTTCCAATAACATCTGATAAAATATTTTGAAGTT TGCCATGCAAAGATTATTTATTAAGAGGCTATTCAAAGTTGTACAACAACCACTTAAAC AGAACTCACTTAATATTCACTAGATGCACTGTATCGATAGGAATAGGGACTTTTCCTAAA GGTTGACTTGGGAATTGTGCTTCTGTGAAATTAACATCTCTCACTGATTGACAAGATTCT ATACTTAAAAATATTAATTCTCTGTGCTGACGCCAATATAGCATTAAACAGATGCATCC CACATTGATAATTATCGCTGTACTCATGTAAAAATCCCATTGACCGTGAAACTACACCAG TGAATAACTTTCCAAAAATAAGACTGATGTGAAAGACTGACTTCCAAGTTCTCAAAGTT CCGAAAACCTGTCCATGTATTACAAGACACTAATATGGAAAAAGTGCTTTTTCTAGTGC AAGCCTTACACGATTCCAAACACATGGCCCCACACTTGAATCTGATTTGAACGGAGTCTG ATATATGGACCAGTTTCCTTAAATTTGCGCCACACCATTCGCGCGAAATTTCCCTTGC GCCTAGTAACAGCCCTTAAATCACGCGACGGACACCGCCACAAGTTTTAAATCCCCCAC TCGATTTGTTATTCGCCACCCCAATTATTTTTGTTCCC
Restriction Sites:	NotI-NotI
ACCN:	NM_018482
Insert Size:	6000 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:	<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_018482.2 , NP_060952.2
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

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]
Transcript Variant: This variant (1) represents the predominant transcript, and encodes isoform 1.