

## Product datasheet for **RC226781**

### ASAP3 (NM\_001143778) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ASAP3 (NM_001143778) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ASAP3
Synonyms:	ACAP4; CENTB6; DDEFL1; UPLC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC226781 representing NM\_001143778  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCGGAGCAGTTCAGCGTCGCCGAGTTCCTGGCCGTCACCGCGGAGGACCTCAGTCCCCGGCTGGGG  
 CCGCCGCTTCGCGCCAAGATGCCCGGTACCGAGGGCGCGCTGGCCGGGAGGAGATCTTGAAGG  
 AGACCAAGCCATCCTGCAGAGAATAAAGAAGGCTGTGCGGCAATCCATAGCTCCGGCTTGCCATGTG  
 GAGAATGAAGAGCAGTACCGAGAGGCCGTGGAATCCTTAGGCAACAGCCACCTGTCCAGAACAGCCATG  
 AGCTGTCCACAGGCTTCTAAACTTGGCCGTGTTACCCGCGAGGTTGCTGCGCTCTTCAAGAACCTGAT  
 TCAGAACTTGAACAACATTGTCTCTTCCCTGGACAGTCTGATGAAGGGGAGCTGAGGGACGGTCGA  
 CAGGCTTCTCTTCTGGGGTCTAGGGCAAGCTGGAGAAGGAGCGGATCGGGCCAGGGTGACAGGAG  
 GGATCCCTGGGGAGTGGCCAGGACATGCAGAGAGAGCGGCCATCTTCCAGCTGCACATGTGTGAGTA  
 TCTGCTCAAAGCCGGGAGAGCCAGATGAAGCAAGGTCTGACTTCTTCCAGAGCCTCATCAAGTTCTTC  
 CACGCCACGACAACTTTTTCCAAGATGGCTGGAAGGCTGCCAGAGCCTGTTCCCTTTCATCGAGAAGC  
 TGGCGGCCTCAGTACATGCACTCCATCAGGCCAGGAGGACGAGCTACAGAAGCTGACCCAGCTCCGGGA  
 CTCCCTCCGAGGGACTGCAGCTTGAGAGCAGAGAGGAACACCTGAGCCGGAAGAACTCAGGATGTGGC  
 TATAGCATCCACCAGCACCAAGGCAACAAGCAGTTTGGGACGGAGAAAGTGGGCTTTCTATAACAAGAAA  
 GTGACGGAATTCGAAGAGTCTGGCAGAAAAGGAAGTGTGGAGTCAAGTATGGCTGCCTGACCATCTACA  
 CAGCAGATAAACCGGCCCGGTGAAGCTGACCCTGCTGACGTGCCAAGTGAGGCCAAACCTGAGGAG  
 AAAAAGTGCTTCGACCTGGTACCCACAACCGGACGTACCACTTTCAGGCAGAGGACGAGCAGAGTGTG  
 AGGCGTGGGTGTGAGTGTGAGAACGCAAGGACGAAGCCCTGAGCAGCGCTTCTCGGGGAGCCCA  
 CGCTGGCCCGGGTCTGGGGTCCGCCGCCATGATGGGGAGCCGACGACCTCACAAAGCTGCTCATC  
 GCGGAGGTGAAGAGCAGGCTGGGAATAGCCAGTCTGCGACTGCGGGGCTGCAGACCCACGTGGCTCA  
 GCACCAACCTGGGCGTGTACCTGCATCCAGTCTCGGGCTCCACCGGAACTGGGCGTGCCTTTTC  
 GCGCATGCAGTCACTCACCTGGACCTGCTGGGCCCTCCGAGTTGTTGCTGGCCTTGAACATGGGAAAC  
 ACGAGCTTCAATGAGGTGATGGAGGCCAGTACCCTCACACGGCGGCCCTAAACCTCAGCTGAGAGTG  
 ACATGGGCACCCGAGGACTACATTATGGCCAAGTATGTGGAGCATAGGTTTGCACGCCGTGCACACC  
 TGAGCCTCAGCGACTCTGGACAGCCATTGCAACAGGGACCTCCTGTCGGTACTGGAGGCCCTTGGCAAT  
 GGGCAGGACTTTGGACAGCCGCTGCCAGGGCTGATGCACAGGCACCTGAAGAACTCGTCTTGCAATTTGG  
 CTGTCAAAGTCGCAACCAAGGCTTCCCTGCCTCTGGTGGATTTTCATCATCCAGAACGGTGGTCCACCTGGA  
 TGCCAAGGCTGCTGACGGGAACACGGCTCTGCACTACGACGACTCTACAACAGCCGACTGCCTCAAG  
 CTGCTGCTGAAGGGGAGAGCTTTGGTTGGCACAGTAAATGAAGCAGGCGAGACAGCTCTGGACATAGCCA  
 GGAAGAAGCACCAAGGAGTGTGAGGAGCTGCTGGAGCAGGCCAGGCGGGGACCTTTGCCTTCCCTCT  
 ACATGTGGACTACTCCTGGTAATTTCCACAGAGCCTGGCTCTGACAGTGAAGGATGAGGAAGAGAAG  
 CGCTGCTTGTGAAGCTCCCGCCAGGCTCACTGGGCCAGTGGGAGGCTGGACATCAGCAACAAGACCT  
 ATGAGACTGTGCGCAGCTGGGAGCAGCACCCCTCAGGGCAGAGTGAAGACTGTCCCCGCCCTTGGC  
 AGTCAAAAACCTTCTCGGACTTTGGTCCAAGGGTGTGCAAGACATGCCAGTGGAGATCGTCTGAAGTC  
 TCCAGCCTGAGTTCAGAGGCCCTGAGACCCCTGAGAGCCTGGGAGTCCAGCCTCCTCCTCAGTCTGA  
 TGAGCCCTTGAACCTGGGGATCCCAGCCAAGCCCCACCAACTCTGAAGAGGGCTCCGAGAGCCCC  
 AGGCACCTCCAGACCCAGCCTGACATCCGGGACCACCCCTTCGGAGATGTACCTCCCGTCAGATTCAGC  
 TCCGAGAGCACTCGTCTATCGCGGGGGCGCGGAGCCCTGAAGATGGTCCCTCAGCCAGGCAGCCTC  
 TGCCAGAAAGAACGTGCCGTTGGCATCACTGAAGGAGATGGCTCAAGGACTGGGAGTCTCCAGCAAG  
 TTCTGTGCAACTTTTGAAGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC226781 representing NM\_001143778  
 Red=Cloning site Green=Tags(s)

MPEQFSVAEFLAVTAEDLSSPAGAAFAAKMPRYGAALAREEILEGDQAILQRIKKAVRAIHSSGLGHV  
 ENEEQYREAVESLGNSHLSQNSHELSTGFLNLAVFTREVAALFKNLIQNLNNIVSFPLDSLMMKQQLRDGR  
 QASLSLGSRAKLEKERDRARVTGGIPGEVAQDMQRERRIFQLHMCEYLLKAGESQMKQGPDLQSLIKFF  
 HAQHNFFQDGWKAQSLFPFIEKLAASVHALHQAQDEDELQKLTLRDSLRTLQLESREEHLSRKNSGCG  
 YSIHQHGNKQFGTEKVGFLYKSDGIRRVWQKRKCGVKYGCLTISHSTINRPPVKLTLLTCQVRPNPEE  
 KKCFDLVTHNRTYHFQAEDHECEAWSVLQNSKDEALSSAFLGEPSSAGPGSWGVSAGHDGEPHDLTKLLI  
 AEVKSRRPNSQCCDCGAADPTWLSTNLGVLTCIQCSGVHRELGVRFSRMQSLTDLGPESELLALNMGN  
 TSFNEVMEQLPSHGGPKPSAESDMGTRRDYIMAKYVEHRFARRCTPEPQLWTAICNRDLLSVLEAFAN  
 GQDFGQPLPGPDAQAPEELVHLAVKVANQASLPLVDFIIQNGGHLDAKAADGNTALHYAALYNQPDCLK  
 LLLKGRALVGTVNEAGETALDIARKKHHKECEELLEQAQAGTFAPLHVDYSWVISTEPGSDSEDEEEK  
 RCLLKLPAQAHWASGRLDISNKT YETVASLGAATPQGESEDCPPPLPVKNSSRTLVOGCARHASGDRSEV  
 SSLSSEAPETPESL GSPASSSSLSMSPLEPGDPSQAPPNSEEGLREPPGTSRPSL TSGTTPSEMYLPVRF  
 SESTRSYRRGARSPELGP SARQPLPRRNVVPGITEGDGSRTGSLPASSVQLLQD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

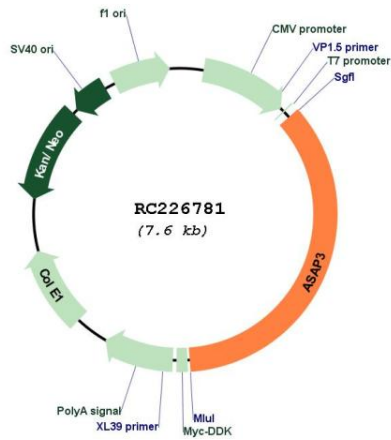
**Cloning Scheme:**



**ACCN:** NM\_001143778

<b>ORF Size:</b>	2682 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001143778.2</a>
<b>RefSeq ORF:</b>	2685 bp
<b>Locus ID:</b>	55616
<b>UniProt ID:</b>	<a href="#">Q8TDY4</a>
<b>Cytogenetics:</b>	1p36.12
<b>Protein Pathways:</b>	Endocytosis, Fc gamma R-mediated phagocytosis
<b>MW:</b>	97.7 kDa
<b>Gene Summary:</b>	This gene encodes a member of a subfamily of ADP-ribosylation factor(Arf) GTPase-activating proteins that contain additional ankyrin repeat and pleckstrin homology domains. The Arf GAP domain of this protein catalyzes the hydrolysis of GTP bound to Arf proteins. The encoded protein promotes cell differentiation and migration and has been implicated in cancer cell invasion. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2009]

Product images:



Circular map for RC226781