

## Product datasheet for **RC209195**

### ASAP3 (NM\_017707) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ASAP3 (NM_017707) 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:**

>RC209195 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCGGAGCAGTTCAGCGTCGCCGAGTTCCTGGCCGTACCCGGGAGGACCTCAGTCCCCGGCTGGGG  
 CCGCCGCTTCGCGCCAAGATGCCCGGTACCGAGGGCGCGCTGGCCGGGAGGAGATCTTGAAGG  
 AGACCAAGCCATCCTGCAGAGAATAAAGAAGGCTGTGCGGCAATCCATAGCTCCGGCTTGCCATGTG  
 GAGAATGAAGAGCAGTACCGAGAGGCCGTGGAATCCTTAGGCAACAGCCACCTGTCCAGAACAGCCATG  
 AGCTGTCCACAGGCTTCTAACTTGGCCGTGTTACCCGCGAGGTTGCTGCGCTTTCAAGAACCTGAT  
 TCAGAACTTGAACAACATTGTCTTTCCCTGGACAGTCTGATGAAGGGGAGCTGAGGGACGGTCGA  
 CAGGATTCAAAAACAGCTGGAGAAGGCATGGAAGGACTATGAAGCCAAAATGGCCAAGCTGGAGAAGG  
 AGCGCGATCGGGCAGGGTGACAGGAGGATCCCTGGGGAGTGGCCAGGACATGCAGAGAGAGCGGGC  
 CATCTCCAGCTGCACATGTGTAGTATCTGCTCAAAGCCGGGGAGAGCCAGATGAAGCAAGGTCCTGAC  
 TTCTTACAGACCTCATCAAGTTCTCCAGCCAGCACAACTTTTTCCAAGATGGCTGGAAGGCTGCC  
 AGAGCCTGTTCCCTTTCATCGAGAAGCTGGCGGCTCAGTACATGCACTCCATCAGGCCAGGAGGACGA  
 ACTACAGAAGCTGACCCAGCTCCGGGACTCCCTCCGAGGGACACTGCAGCTTGAGAGCAGAGAGGAACAC  
 CTGAGCCGGAAGAAGCTCAGGATGTGGCTATAGCATCCACCAGCACCAAGGCAACAAGCAGTTTGGGACGG  
 AGAAAGTGGGCTTTCTATAACAAGAAAAGTGACGGAATTCGAAGAGCCTGGCAGAAAAGGAAGTGTGGAGT  
 CAAGTATGGCTGCCTGACCATCTCACACAGCACGATAAACCGCCCCGGTGAAGCTGACCTGTGACG  
 TGCCAAGTGAAGCCAAACCTGAGGAGAAAAGTGCTTCGACCTGGTACCCACAACCGGACGTACCCT  
 TTCAGGCAGAGGACGAGCAGAGTGTGAGCGTGGGTGTCAGTGTTCAGAACAGCAAGGACGAGCCCT  
 GAGCAGCGCTTCTCGGGGAGCCAGCGCTGGCCCGGGTCTGGGGTCCGCCGCCATGATGGGGAG  
 CCGCACGACCTCAAAAGCTGCTCATCGCGAGGTGAAGAGCAGGCTGGGAATAGCCAGTGTGCGACT  
 GCGGGGCTGCAGACCCACGTGGCTCAGCACCAACCTGGGCGTGTACCTGCATCCAGTGTGCGGCGT  
 CCACCGGAAGTGGGCGTGCCTTTTCGCGCATGCAGTCACTCACCTGGACCTGTGGGCCCTCCGAG  
 TTGTTGCTGGCTTGAACATGGGAAACACGAGCTTCAATGAGGTCATGGAGGCCAGCTACCCTCACACG  
 GCGGCCCTAAACCTCAGCTGAGAGTGACATGGGCACCCGAGGGACTACATTATGGCCAAGTATGTGA  
 GCATAGGTTTGCACGCCGTGCACACCTGAGCCTCAGCGACTCTGGACAGCCATTTGCAACAGGGACCTC  
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 CTCTACAACAGCCGACTGCCTCAAGCTGCTGCTGAAGGGGAGAGCTTTGGTTGGCACAGTAAATGAAG  
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 GGAGGCTGGACATCAGCAACAAGACCTATGAGACTGTGCGCAGCCTGGGAGCAGCCACCCCTCAGGGCGA  
 GAGTGAAGGACTGTCCCCGCCCCGAGTCAAAAACCTTCTCGGACTTTGGTCCAAGGGTGTGCAAGA  
 CATGCCAGTGGAGATCGTTCTGAAGTCTCCAGCCTGAGTTCAGAGGCCCTGAGACCCCTGAGAGCCTGG  
 GCAGTCCAGCCTCCTCCTCCAGTCTGATGAGCCCTTGGAACTGGGGATCCCAGCCAAGCCCCACCCAA  
 CTCTGAAGAGGGCCTCCGAGAGCCCCAGGCACCTCCAGACCCAGCCTGACATCCGGGACCACCCCTTCG  
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 AAGATGGTCCCTCAGCCAGGCAGCCTCTGCCAGAAGAACGTGCCGGTGGCATCACTGAAGGAGATGG  
 CTAAGGACTGGGAGTCTCCAGCAAGTCTGTGCAACTTTTGAAGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC209195 protein sequence  
 Red=Cloning site Green=Tags(s)

MPEQFSVAEFLAVTAEDLSSPAGAAFAAKMPRYGAALAREEILEGDQAILQRIKKAVRAIHSSGLGHV  
 ENEEQYREAVESLGNSHLSQNSHELSTGFLNLAVFTREVAALFKNLIQNLNNIVSFPLDSLMMKQQLRDGR  
 QDSKKQLEKAWKDYEAAMAKLEKERDRARVTGGIPGEVAQDMQRERRIFQLHMCEYLLKAGESQMKQGPD  
 FLQSLIKFFHAQHNFQDQGWKAAQSLFPFIEKLAASVHALHQAQAEDELQKLTQLRDSLRTGLQLESREEH  
 LSRKNSGCGYSIHQHQGNKQFGTEKVGFLYKKSDBGIRRAWQKRKCGVKYGLCTISHSTINRPPVKLLTLLT  
 CQVRPNPEEKCFDLVTHNRTYHFQAEDHECEAWVSVLQNSKDEALSSAFLGEPGSGPGSWGWSAGHDGE  
 PHDLTKLLIAEVKSRPGNSQCCDCGAADPTWLSTNLGVLTCIQCSGVHRELGVRFSRMQSLTDLGLPSE  
 LLLALNMGNTSFNEVMEALPSHGGPKPSAESDMGTRRDYIMAKYVEHRFARRCTPEPQRLWTAICNRDL  
 LSVLEAFANGQDFGQPLPGPDAQAPEELVLHLAVKVANQASLPLVDFIIQNGGHLDAKAADGNTALHYAA  
 LYNQPDCLKLLKGRALVGTVNEAGETALDIARKKHHKECEELLEQAQAGTFAFPLHVDYSWVISTEPGS  
 DSEEDDEEKRCLKLPAQAHWASGRLDISNKTYETVASLGAATPQGESEDCPPPLPVKNSRRTL VQGCAR  
 HASGDRSEVSSLSEAPETPESELGSPASSSSLMSPLEPGDPSQAPPNSEEGLREPPGTSRPSLTSGTTPS  
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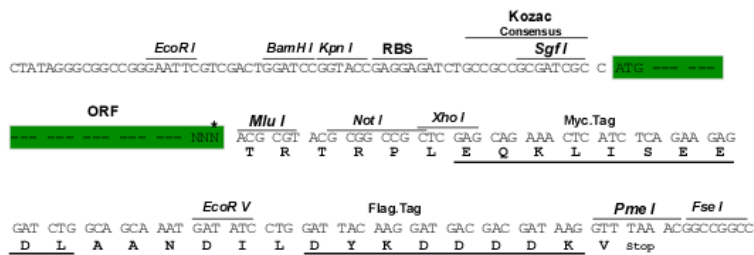
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6694\\_g11.zip](https://cdn.origene.com/chromatograms/mk6694_g11.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:

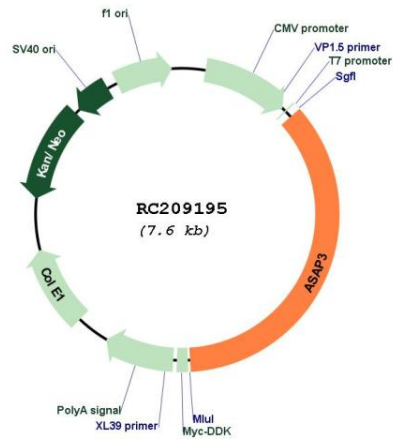


\* The last codon before the Stop codon of the ORF

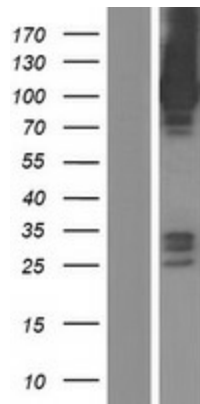
**ACCN:** NM\_017707

<b>ORF Size:</b>	2709 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_017707.4</a>
<b>RefSeq Size:</b>	4199 bp
<b>RefSeq ORF:</b>	2712 bp
<b>Locus ID:</b>	55616
<b>UniProt ID:</b>	<a href="#">Q8TDY4</a>
<b>Cytogenetics:</b>	1p36.12
<b>Domains:</b>	ArfGap, PH, ANK
<b>Protein Pathways:</b>	Endocytosis, Fc gamma R-mediated phagocytosis
<b>MW:</b>	99.1 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]

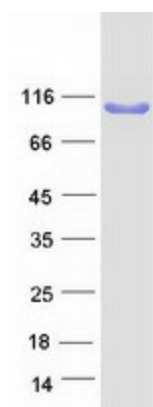
Product images:



Circular map for RC209195



Western blot validation of overexpression lysate (Cat# [LY413615]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209195 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ASAP3 protein (Cat# [TP309195]). The protein was produced from HEK293T cells transfected with ASAP3 cDNA clone (Cat# RC209195) using MegaTran 2.0 (Cat# [TT210002]).