

Product datasheet for **RG209195**

ASAP3 (NM_017707) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASAP3 (NM_017707) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ASAP3
Synonyms:	ACAP4; CENTB6; DDEFL1; UPLC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG209195 representing NM_017707
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCGGAGCAGTTCAGCGTCGCCGAGTTCCTGGCCGTCACCGCGGAGGACCTCAGTCCCCGGCTGGGG
 CCGCCGCTTCGCGCCAAGATGCCCGGTACCGAGGGCGGCGCTGGCCGGGAGGAGATCTTGAAGG
 AGACCAAGCCATCCTGCAGAGAATAAAGAAGGCTGTGCGGCAATCCATAGCTCCGGCTTGCCATGTG
 GAGAATGAAGAGCAGTACCGAGAGGCCGTGGAATCCTTAGGCAACAGCCACCTGTCCAGAACAGCCATG
 AGCTGTCCACAGGCTTCTAACTTGGCCGTGTTACCCGCGAGGTTGCTGCGCTTTCAAGAACCTGAT
 TCAGAACTTGAACAACATTGTCTCTTCCCTGGACAGTCTGATGAAGGGGAGCTGAGGGACGGTCGA
 CAGGATTCAAAAACAGCTGGAGAAGGCATGGAAGGACTATGAAGCCAAAATGGCCAAGCTGGAGAAGG
 AGCGCGATCGGGCAGGGTGACAGGAGGGATCCCTGGGGAGGTGGCCAGGACATGCAGAGAGAGCGGGC
 CATCTCCAGCTGCACATGTGTAGTATCTGCTCAAAGCCGGGGAGAGCCAGATGAAGCAAGGTCCTGAC
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 CTGAGCCGGAAGAAGCTCAGGATGTGGCTATAGCATCCACCAGCACCAAGGCAACAAGCAGTTTGGGACGG
 AGAAAGTGGGCTTTCTATAACAAGAAAAGTGACGGAATTCGAAGAGCCTGGCAGAAAAGGAAGTGTGGAGT
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 TGCCAAGTGAAGCCAAACCTGAGGAGAAAAAGTGTTCGACCTGGTACCCACAACCGGACGTACCCT
 TTCAGGCAGAGGACGAGCAGAGTGTGAGCGTGGGTGTCAGTGTTCAGAACAGCAAGGACGACCT
 GAGCAGCGCTTCTCGGGGAGCCAGCGCTGGCCCGGGTCTGGGGTCCGCCGCCATGATGGGGAG
 CCGCACGACCTCAAAAGCTGCTCATCGCGAGGTGAAGAGCAGGCTGGGAATAGCCAGTGTGCGACT
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 CCACCGGAAGTGGGCTGCGCTTTTCGCGCATGCAGTCACTCACCTGGACCTGCTGGGCCCTCCGAG
 TTGTTGCTGGCTTGAACATGGGAACACGAGCTTCAATGAGGTCATGGAGGCCAGCTACCCTCACACG
 GCGGCCCTAAACCTCAGCTGAGAGTGACATGGGCACCCGAGGGACTACATTATGGCCAAGTATGTGA
 GCATAGGTTTGCACGCCGTGCACACCTGAGCCTCAGCGACTCTGGACAGCCATTTGCAACAGGGACCTC
 CTGTGCGTACTGGAGGCTTTGCCAATGGGCAGGACTTTGGACAGCCGCTGCCAGGGCCTGATGCACAGG
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 CTCTACAACAGCCGACTGCCTCAAGCTGCTGCTGAAGGGGAGAGCTTTGGTTGGCACAGTAAATGAAG
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 AAGATGGTCCCTCAGCCAGGCAGCCTCTGCCAGAAGAACGTGCCGGTGGCATCACTGAAGGAGATGG
 CTAAGGACTGGGAGTCTCCAGCAAGTCTGTGCAACTTTTGAAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG209195 representing NM_017707
 Red=Cloning site Green=Tags(s)

MPEQFSVAEFLAVTAEDLSSPAGAAFAAKMPRYGAALAREEILEGDQAILQRIKKAVRAIHSSGLGHV
 ENEEQYREAVESLGNSHLSQNSHELSTGFLNLAVFTREVAALFKNLIQNLNNIVSFPLDSLMMKQQLRDRG
 QDSKKQLEKAWKDYEAKMAKLEKERDRARVTGGIPGEVAQDMQRERRIFQLHMCEYLLKAGESQMKQGPD
 FLQSLIKFFHAQHNFQDQGWKAAQSLFPFIEKLAASVHALHQAQAEDELQKLTQLRDSLRTGLQLESREEH
 LSRKNSGCGYSIHQHQGNKQFGTEKVGFLYKKS DGI RRAWQKRKCGVKY GCLTISHSTINRPPVKLTLT
 CQVRPNPEEKCFDLVTHNRTYHFQAEDHECEAWVSVLQNSKDEALSSAFLGEP SAGPGSWGSAGHDGE
 PHDLTKLLIAEVKSRPGNSQCCDCGAADPTWLSTNLGVLTCIQCSGVHRELGVRFSRMQSLTDLG PSE
 LLLALNMGNTSFNEVMEQLPSHGGPKPSAESDMGTRRDYIMAKYVEHRFARRCTPEPQLWTAICNRDL
 LSVLEAFANGQDFGQPLPGPDAQAPEELVLHLAVKVANQASLPLVDFIIQNGGHLDAKAADGNTALHYAA
 LYNQPDCLKLLKGRALVGTVNEAGETALDIARKKHHKECEELLEQAQAGTFAFPLHVDYSWVISTEPGS
 DSEEDDEEKRLCLKLPAQAHWASGRLDISNKTYETVASLGAATPQGESEDCPPPLPVKNSRRTL VQGCAR
 HASGDRSEVSSLSEAPETPEL GSPASSSSLMSPLEPGDPSQAPPNSEEGLREPPGT SRPSLTSGTTPS
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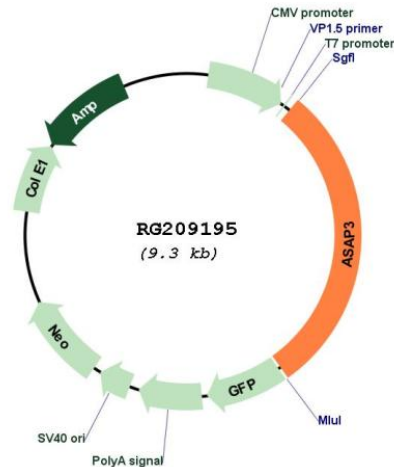
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_017707

ORF Size: 2709 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_017707.2](#), [NP_060177.2](#)

RefSeq Size: 4050 bp

RefSeq ORF: 2712 bp

Locus ID: 55616

UniProt ID: [Q8TDY4](#)

Cytogenetics: 1p36.12

Domains:	ArfGap, PH, ANK
Protein Pathways:	Endocytosis, Fc gamma R-mediated phagocytosis
Gene Summary:	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]