

Product datasheet for **RG226781**

ASAP3 (NM_001143778) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASAP3 (NM_001143778) 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:

>RG226781 representing NM_001143778
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGGAGCAGTTCAGCGTCGCCGAGTTCCTGGCCGTCACCGCGGAGGACCTCAGTCCCCGGCTGGGG
 CCGCCGCTTCGCGGCCAAGATGCCCGGTACCGAGGGCGCGCTGGCGCGGGAGGAGATCTTGAAGG
 AGACCAAGCCATCCTGCAGAGAATAAAGAAGGCTGTGCGGGCAATCCATAGCTCCGGCCTTGCCATGTG
 GAGAATGAAGAGCAGTACCGAGAGGCCGTGGAATCCTTAGGCAACAGCCACCTGTCCAGAACAGCCATG
 AGCTGTCCACAGGCTTCTAAACTTGGCCGTGTTACCCGCGAGGTTGCTGCGCTCTTCAAGAACCTGAT
 TCAGAACTTGAACAACATTGTCTCTTCCCTGGACAGTCTGATGAAGGGGAGCTGAGGGACGGTCGA
 CAGGCTTCTCTTCTGGGGTCTAGGGCAAGCTGGAGAAGGAGCGGATCGGGCCAGGGTGACAGGAG
 GGATCCCTGGGGAGTGGCCAGGACATGCAGAGAGAGCGGCCATCTTCCAGCTGCACATGTGTGAGTA
 TCTGCTCAAAGCCGGGAGAGCCAGATGAAGCAAGGTCTGACTTCTTCCAGAGCCTCATCAAGTTCTTC
 CACGCCACGACAACTTTTTCCAAGATGGCTGGAAGGCTGCCAGAGCCTGTTCCCTTTCATCGAGAAGC
 TGGCGGCCTCAGTACATGCACTCCATCAGGCCAGGAGGACGAGCTACAGAAGCTGACCCAGCTCCGGGA
 CTCCCTCCGAGGGACTGCAGCTTGAGAGCAGAGAGGAACACCTGAGCCGGAAGAACTCAGGATGTGGC
 TATAGCATCCACCAGCACCAAGGCAACAAGCAGTTTGGGACGGAGAAAGTGGGCTTTCTATAACAAGAAA
 GTGACGGAATTCGAAGAGTCTGGCAGAAAAGGAAGTGTGGAGTCAAGTATGGCTGCCTGACCATCTACA
 CAGCAGATAAACCGGCCCGGTGAAGCTGACCTGCTGACGTGCCAAGTGAGGCCAAACCCTGAGGAG
 AAAAAGTGCTTCGACCTGGTACCCACAACCGGACGTACCACTTTCAGGCAGAGGACGAGCAGAGTGTG
 AGGCGTGGGTGTGAGTGTGAGAAGCAAGGACGAAGCCCTGAGCAGCGCCTTCTCGGGGAGCCCA
 CGCTGGCCCGGGTCTGGGGTCCGCCGCCATGATGGGGAGCCGACGACCTCACAAAGCTGCTCATC
 GCGGAGGTGAAGAGCAGGCTGGGAATAGCCAGTCTGCGACTGCGGGGCTGCAGACCCACGTGGCTCA
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 ACATGGGCACCCGAGGACTACATTATGGCCAAGTATGTGGAGCATAGGTTTGCACGCCGTGCACACC
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 GGGCAGGACTTTGGACAGCCGCTGCCAGGGCTGATGCACAGGCACCTGAAGAACTCGTCTTGCATTTGG
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 TGCCAAGGCTGCTGACGGGAACACGGCTCTGCACTACGCAGCACTCTACAACCAGCCGACTGCCTCAAG
 CTGCTGCTGAAGGGGAGAGCTTTGGTTGGCACAGTAAATGAAGCAGGCGAGACAGCTCTGGACATAGCCA
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 TGAGCCCTTGAACCTGGGGATCCCAGCCAAGCCCCACCAACTCTGAAGAGGGCTCCGAGAGCCCC
 AGGCACCTCCAGACCCAGCCTGACATCCGGGACCACCCCTTCGGAGATGTACCTCCCGTCAGATTCAGC
 TCCGAGAGCACTCGTCTATCGCGGGGGCGCGGAGCCCTGAAGATGGTCCCTCAGCCAGGCAGCCTC
 TGCCAGAAAGAACGTGCCGTTGGCATCACTGAAGGAGATGGCTCAAGGACTGGGAGTCTCCAGCAAG
 TTCTGTGCAACTTTTGAAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG226781 representing NM_001143778
 Red=Cloning site Green=Tags(s)

MPEQFSVAEFLAVTAEDLSSPAGAAFAAKMPRYGAALAREEILEGDQAILQRIKKAVRAIHSSGLGHV
 ENEEQYREAVESLGNSHLSQNSHELSTGFLNLAVFTREVAALFKNLIQNLNNIVSFPLDSLMMKQQLRDGR
 QASLSLGSRAKLEKERDRARVTGGIPGEVAQDMQRERRIFQLHMCEYLLKAGESQMKQGPDLQSLIKFF
 HAQHNFFQDQGWKAAQSLFPFIEKLAASVHALHQAQDEDELQKLTLRDSLRTLQLESREEHL SRKNSGCG
 YSIHQHQNKQFGTEKVGFLYKKSDBGIRRVWQKRKCGVKYGCLTISHSTINRPPVKLTLLTCQVRPNPEE
 KKCFDLVTHNRTYHFQAEDHECEAWSVLQNSKDEALSSAFLGEPSSAGPGSWGSSAGHDGEPHDLTKLLI
 AEVKSRRGNSQCCDCGAADPTWLSTNLGVLTCIQCSGVHRELGVRF SRMQSLTDLGPESELLALNMGN
 TSFNEVMEALP SHGGPKPSAESDMGTRRDYIMAKYVEHRFARRCTPEPQRLWTAICNRDLLSVLEAFAN
 GQDFGQPLPGPDAQAPEELVLHLAVKVANQASLPLVDFI IQNGGHLDAKAADGNTALHYAALYNQPDCLK
 LLLKGRALVGTVNEAGETALDIARKKHHKECEELLEQAQAGTFAFPLHVDYSWVISTEPGSDSEDEEEK
 RCLLKLPAQAHWASGRLDISNKT YETVASLGAATPQGESEDCPPPLPVKNSRRTLVOGCARHASGDRSEV
 SSLSSEAPETPESL GSPASSSSLSMSPLEPGDPSQAPPNSEEGLREPPGTSRPSL TSGTTPSEMYLPVRF
 SESTRSYRRGARSPE DGP SARQPLPRRNVVPGITEGDGSRTGSLPASSVQLLQD

TRTRPLE - GFP Tag - V

Restriction Sites:

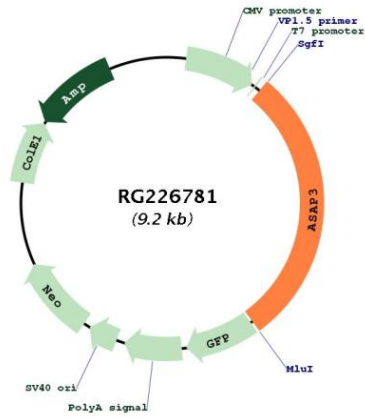
SgfI-MluI

Cloning Scheme:



ACCN:	NM_001143778
ORF Size:	2682 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:	<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_001143778.2
RefSeq Size:	4172 bp
RefSeq ORF:	2685 bp
Locus ID:	55616
UniProt ID:	Q8TDY4
Cytogenetics:	1p36.12
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]

Product images:



Circular map for RG226781