

Product datasheet for MR216791

Asap2 (NM_001135192) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asap2 (NM_001135192) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Asap2
Synonyms:	6530401G17Rik; Ddef2; Gm592; Gm1523; PAG3; PAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216791 representing NM_001135192 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGGACCAGATCTCCGTGTCGGAATTCGTGGCCGAGACCCATGAGGACTACAAGGGCCACGGCCT
CTAGCTTCACCACGCGCACGGCCAGTGCCGGAACACCGTGCCGCCATCGAGGAGGCTTTGGACGTGGA
CCGGATGGTTCTCTACAAAATGAAGAAATCTGTGAAGGCAATCAATATCTCTGGGCTGGCACACGTGGAG
AACGAGGAACAGTACACCAGGCTCTGGAGAAGTTCGGTGCAACTGTGTGTGCAGAGATGATCCAGACT
TAGGAAGCGCGTTTCTGAAGTTCCTGTGTTCCACCAAGGAGTTGACGGCACTCTTCAAAAACCTGATTCA
GAACATGAACAACATCATCTCGTTCCCTTTGGACAGTTTCTGAAAGGAGATCTGAAAGGAGTAAAAGGG
GATCTGAAAAAGCCCTTTGATAAAGCTTGGAAAGACTATGAAACAAAAATAACAAAAATAGAAAAGGAGA
AAAAGGAGCATGCCAAGCTCCACGGGATGATTCGTAAGTAAAGCGGGGCTGAGATTGCAGAGGAGAT
GGAGAAGGAAAGACGGTTCCTCCAGCTGCAGATGTGTGAGTACCTGCTGAAGGTCAATGAAATCAAGGTG
AAAAAGGAGTGGATTTGCTTCAGAATCTGATCAAGTACTTTCACGCCACGTGCAATTTTTTCCAGGATG
GATTGAAAGCAGTAGAAAGCCTCAAGCCTTCCATCGAGACGCTCTCCACGGACCTCCACACCGCCAGGA
TGAGGAACGGCGACAGCTGATACAACCTCGAGATATTTTGAAGTCAGCATTGCAGGTGGAACAGAAAGAG
TCTAGGAGAGACTCACAACCTTCGCCAAAGTACAGCCTACAGCTTACATCAACCTCAGGAAACAAGGAGC
ATGGAACAGAGAGGAACGGGAACCTCTACAAGAAGAGCGATGGGATCCGGAAAGTGTGGCAGAAGAGGAA
GTGTTCCGTTAAAAATGGCTTCCCTACCATCTCCACGGCACTGCCAACGGCCACCTGCCAAGCTCAAC
CTGCTAACCTGCCAGGTGAAGACCAATCCTGAGGAGAAGAAGTGTTCGACCTCATATCAGATGACAGGA
CGTACCACTTCCAAGCGGAAGACGAACAAGAATGTCAGATATGGATGTCTGTAAGTGCAGAACAGCAAGGA
AGAAGCTCTGAACAACGCCTTTAAGGGTGTGACAACACTGGAGAAAATAACATCGTCCAAGAGCTGACC
AAGGAGATCATCTCGGAGGTGCAGAGGATGACGGCAATGACGTGTGCTGCGACTGTGGGCACCAGATC
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AATATCGGAATGCAGGCTTTAATGAAATTATGGAGTGTGCCTACCGTCTGAGGACCCAGTCAAGCCCA
 ACCCAGGCAGTGACATGATTGCAAGGAAGGACTACATCACAGCCAAGTACATGGAGAGGAGATATGCACG
 GAAAAAGCATGCCGACACCGCGGCGAAGCTCCACAGCCTTTGCGAGGCCGTCAAGACCAGAGACATTTTT
 GGGTTACTCCAAGCTTATGCTGATGGTGTGGACCTGACAGAGAAAATCCCACTGGCCAATGGGCATGAGC
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 ACAGACAATGCTGAGTGCCTCAAGCTCCTGCGGGGAAAAGCCTCCATTGAGATAGCCAATGAGTCAG
 GAGAGACCCCGTTGGACATTGCTAAGCGGCTCAAGCACGAACACTGTGAGGAACTGCTCACTCAGGCCTT
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 AGCGACGACGATGTGGACGAGAAGCTACAGCCTAGTCCCAACCGACGGGAGGACCGGCCTGTTAGCTTCT
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 GCAAGTCTCCCAACCTGGGACCTCACAGAGCAAGCCCCCGCCCTGCCACCTCAGCCACCCAGCCGCT
 GCCTCAGAAGAAACCAGCTTCCGGGACTGACAAGCAACCCCGCTGACCAACAAAGGACAGCCGAGAGGA
 CCTGAAGCTTCGGGCTCTGTCCAACGCCATGGCCCTGCAGCCCCCAGCACCCATGCCTAGGAAGTAC
 AGGCGACCAAGTCAAAGCCAAAGCGAGTAAAGCACTCTACAACCTGCGTGGCTGACAACCCAGACGAGCT
 GACTTTCTCTGAGGGCAGCTGATCATTGTGGATGGGGAAGAGGATCAGGAGTGGTGGATCGGCCACATC
 GATGGAGAGCCCAGCCGCAAAGGAGCGTTTCCCGTATCGTTTGTCACTTTATTGCTGAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGGTTTAA

Protein Sequence:

>MR216791 representing NM_001135192
 Red=Cloning site Green=Tags(s)

MPDQISVSEFVAETHEDYKAPTASSFTTRTAQCRNTVAIEEALDVRMVLKMKKSVKAINISGLAHVE
 NEEQYIQALEKFGNCVCRDDPDLGSAFLKFSVFTKELTALFKNLIQNMNIIISFPLDSLKGDLDKGVKG
 DLKPPFDKAWKDYETKITKIEKEKKEHAKLHGMIRTEISGAEIAEEMEKERRFFQLQMCYLLKVNIEIKV
 KKGVDLLQNLIKYFHAQC�NFQDGLKAVESLKPSIETLSTDLHTAQDEERRQLIQLRDILKSALQVEQKE
 SRRDSQLRQSTAYSLHQPNKEHGTERNGNLKSDGIRKVVQKQKCSVKNGFLTISHGTANRPPAKLN
 LLTCQVKTNPEEKCFDLISHDRTYHFQAEDQEQIWMVLSQNSKEEALNNAFKGDDNTGENNIVQELT
 KEIISEVQRMTGNDVCCDCGAPDPTWLNSTNLGILTCIECSGIHRELGVHYSRMQSLTLDVLTSELLLAK
 NIGNAGFNEIMECLPSEDPVKPNPGSDMIARKDYITAKYMERRYARKKHADTAAKLHSLCEAVKTRDIF
 GLLQAYADGVDLTEKIPLANGHEPDETALHLAVRSVDRTSLHIVDFLVQNSGNLKDQTKGKSTALHYCCL
 TDNAECLKLLRGKASIEIANESGETPLDIKRLKHEHCEELLTQALSGRFNSHVHVEYEWRLLEDLDE
 SDDDVDEKLQSPNRREDRPVSFYQLGSSQFQSNVSLARDTANLTKDKQRFQGPSILQNETYGAILSGS
 PPSSQSIPPSTTSAPPLPPRVGKVTATANTLWKTNSVGVGDISRQRSSDLPVHPPLPLRVSTN
 PLTTTTPPPVAKTSGTLEAMNQPSKSSQPGTSQSKPPPLPPQPPSRLPQKPKASGTDKPTPLTNKGQPRG
 PEASGPLSNAMALQPPAPMPRKSQATKSKPKRVKALYNVADNPDELTFSEGDVIIVDGEEDQEWWIGHI
 DGEPSRKGAFPVSFVHF IAD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9097_h07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001135192

ORF Size: 3000 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_001135192.1](#), [NP_001128664.1](#)

RefSeq Size: 5686 bp

RefSeq ORF: 3003 bp

Locus ID: 211914

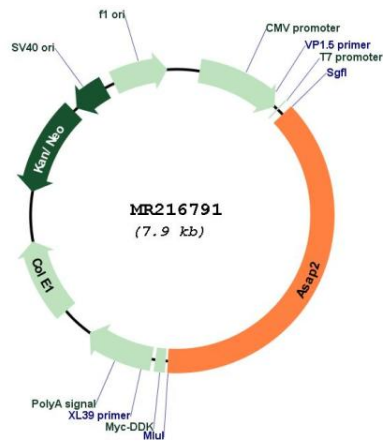
UniProt ID: [Q7SIG6](#)

Cytogenetics: 12 A1.2-A1.3

MW: 111.2 kDa

Gene Summary: Activates the small GTPases ARF1, ARF5 and ARF6. Regulates the formation of post-Golgi vesicles and modulates constitutive secretion. Modulates phagocytosis mediated by Fc gamma receptor and ARF6. Modulates PXN recruitment to focal contacts and cell migration (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216791