

## Product datasheet for MR211708

### Asap1 (NM\_010026) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Asap1 (NM\_010026) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Asap1  
**Synonyms:** AV239055; Ddef1; DEF-1; mKIAA1249; PAP; s19  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR211708 representing NM\_010026  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGATCTTCAGCCTCCCGGCTCTCCAGTTTTCTCCAGAGATCACTATGGAATCGGATGCCGGACC  
 AGATCTCCGTGTCCGAGTTCATCGCCGAGACCACCGAGGACTACAACCGCCACCACGTCCAGTTCAC  
 CACGCGGCTGCACAACCTGCAGGAACACCGTCACGCTGCTGGAGGAGGCTCTAGACCAAGATAGAACGCC  
 CTACAGAAAGTGAAGAACTGTAAAAGCAATATAAATCCGGTCAAGATCATGTACAAAATGAAGAAA  
 ACTATGCACAAGTCTGGATAAGTTTGGAAAGTAAATTTTTAAGCAGAGACAACCCCTGACCTTGGCACC  
 TTTTGTCAAGTTTTCTACTCACAAGGAAGTCCACGCTGCTGAAAAATCTGCTCCAGGGTCTGAGC  
 CACAATGTGATCTTACCTTGGATTCTTTGTTAAAAGGAGACTTGAAGGGGGTCAAAGGAGATCTCAAGA  
 AGCCATTTGACAAAGCCTGGAAAGATTATGAGACGAAGTTTACAAAAATTGAGAAGGAGAAAAGAGAGCA  
 CGCAAAACAGCACGGGATGATCCGAACAGAGATAACAGGCGCTGAGATTGCAGAAGAAATGGAAAAGGAA  
 CGGCGGCTTTTTAGCTCCAGATGTGTGAATATCTCATTAAAGTAAATGAAATCAAGACCAAAAAGGGTG  
 TGGACCTGCTGCAGAACCTTATAAAGTATTACCATGCACAGTGAATTTCTTTCCAGGATGGCTTAAAAAC  
 GGCTGATAAACTGAAACAGTACATAGAAAAGCTGGCTGCTGACTTATATAATATAAAGCAAAACCAAGT  
 GAAGAAAAAACAGCTAACTGCACTCCGAGATCTAATAAAATCCTCTGCAACTTGATCCGAAAGAAG  
 TAGGTGGTTTATATGTTGCCAGCAGGGCTAACAGTTCTAGAAGAGACTCTCAGAGCCGGCAAGGTGGGTA  
 CAGCATGCATCAGCTCCAGGGAACAAGGAGTACGGCAGTGAAGAAGAGGGCTTCTGCTGAAGAAGAGT  
 GATGGGATCCGGAAGTGTGGCAGAGACGGAAGTGTGCGGTCAAGAACGGGATCCTGACCATCTCCACG  
 CAACTTCCAACAGGCAGCCTGCTAAGTTAAACCTCCTCACCTGCCAAGTAAAACCGAATGCTGAGGACAA  
 GAAGTCTTTTACCTGATATCACATAATCGAACATATCACTTTCAAGCAGAAGATGAGCAGGATTATATA  
 GCGTGGATATCAGTACTACGAATAGCAAAGAAGAGGCCCTAACCATGGCCTTCCGTGGTGAAGCAGAGCA  
 CAGGGGAGAATAGCCTGGAGGACCTTACAAAGCCATCATCGAGGATGTACAGCGGCTCCCTGGGAATGA  
 CATCTGCTGTGACTGCGGCTCATCAGAACCACGTGGCTTCAACCAACTTGGGTATTTGACCTGTATA



[View online »](#)

GAATGTTCCGGAATCCATAGGGAATGGGGTTCATATTTCTCGCATTAGTCTTTGGAAGTACGCAAAAT  
TAGGAAGTCCGAACTCTTGCTGGCCAAGAATGTAGGAAACAATAGTTTTAATGATATTATGGAAGCAAA  
TTTACCCAGCCCTTACCAAAGCCACCCCTTCAAGTGATATGACCGTCCGTAAGAGTACATCACTGCA  
AAGTATGTCGACCACCGCTTCTCCAGGAAGACCTGTGCCTCTTCTCAGCAAAGCTGAACGAATTGCTTG  
AGGCCATCAAGTCCAGGGACTTACTTGCATTAATCCAAGTCTATGCAGAGGGGTGGAGTTAATGGAGCC  
ACTGCTGGAACCTGGGCAGGAGCTCGGGGAGACAGCCCTCATCTTGCCGTCAGGACCCGACAGCCAGACA  
TCTCTCCATCTGGTTGATTTCTTGTACAAAACGTGGGAACCTGGATAAGCAAACGCTGTGTGGGAATA  
CAGTTCTGCACTATTGCAGCATGTACGGCAAGCCGGAGTGTCTGAAGCTGCTGCTTAGGAGCAAGCCAC  
CGTGGACATCGTTAACCCAGAATGGAGAACTGCCTTGATATAGCAAAGAGACTCAAAGCTACCCAGTGT  
GAAGATCTGCTTTCCAGGCTAAATCTGGAAGTTCAACCCTCATGTCCACGTAGAGTATGAGTGGAAATC  
TTCGACAGGACGAGATGGATGAGAGCGATGACGATCTGGATGACAAGCCAAGCCCGATCAAAAAGGAACG  
CTCGCCAGACCAGAGCTTCTGCCACTCTCCAGCATCTCGCCACAGGACAAGCTGGCACTGCCAGGG  
TTCAGCACTCCACGGACAAGCAGCGGCTCTCTACGGAGCCTTACCAACCAGATCTTCGCTCTACGA  
GCACAGATTTGCCACATCACCCACCAGTGAGGCTCCCTTTGCCACCTCGGAACGCCGGAAAGTCC  
AACTGGCCACCTTCAACACTCCCTTAGGCACCCAGACCTCTAGTGGCAGCTCCACCCTATCCAAGAAG  
AGGCTCTCCCCACCACCAGGACACAAGAGAACCCTGTCTGACCCTCCAGCCACTACCTCACGGGC  
CCCCAAACAAAGGCGCAATTCCTTGGGGTAAATGATGTGGGCCATTATCTTCAAGTAAGACGGCCAAACA  
GTTTGAGGGGCTGTCTCAGCAAGCAAGCACCAGTTCTGCTAAGACTGCCCTTGGCCCGAGAGTGCTTCT  
AACTACCTCAGAAAGTGGCACTAAGGAAGACGGAGACCAGCCATCATCTCTCCCTCGACAGAACCAACA  
TCCCACCTGAGACTTTTCAGAAATCATCACAGTTGACAGAGTTACCCAAAAGCCACCCTTGGAGAGCT  
GCCCCGAAGCCTGTGGAAGTGGCCCCAAGCCCAAGTTGGAGAGCTGCCACCTAAGCCTGGAGAGCTA  
CCCCCTAAGCCCCAATTAGGTGACCTGCCCCCAAGCCACAGCTCTCAGACTTACCTCCAAGCCACAGA  
TGAAGGACCTGCCCCCTAAGCCGACCTGGGGGATCTGCTGGCAAAGTCCCAGGCTGGCGATGTCTCAGC  
CAAGGTGCAGCCACCCTCAGAGGTCACACAGAGGTCACACACCGGGGATCTGTCTCCAAATGTACAGTCC  
AGAGATGCCATCCAGAAGCAAGCATCTGAAGACTCCAACGACCTCACACCCACGCTGCCAGAGACCCCG  
TACCCTGCCGAGAAAAATCAATACGGGGAAAAATAAAGTGAGGCGGGTGAAGACATTTATGACTGCCA  
GGCAGATAATGACGACGAACTCACATTTATTGAGGGGAAAGTGATCATTGTACCCGGGAAGAGGACCAG  
GAGTGGTGGATCGGGCATATCGAAGGACAGCCTGAAAGGAAGGGTGTCTTCCAGTGTCTTTGTCCACA  
TCCTGTCTGAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR211708 representing NM\_010026  
 Red=Cloning site Green=Tags(s)

MRSSASRLSSFSSRDSLWNRMPDQISVSEFIAETTEDYNSPTTSSFTTRLHNCRNTVTLLEEALDQDRTA  
 LQKVKKSVKAIYNSGQDHVQNEENYAQVLDKFGSNFLSRDNPDLGTAFAVKFSTLTKELSTLLKNLLQGLS  
 HNVIFTLDSLLKGDLLKGVKGDLLKPPFDKAWKDYETKFTKIEEKREHAKQHGMIRTEITGAEIAEMEKE  
 RRLFQLQMCEYLKVNLIKTKKGVLDLQNLIKYHAQC�FFQDGLKTADKLKQYIEKLAADLYNIKQTQD  
 EEKQLTALRDLIKSSLQLDPKEVGGLYVSRANSRRDSQSRQGGYSMHQLQGNKEYGSEKKGFLKKS  
 DGIRKVVQRRKCAVKNGLITISHATSNRQPAKLNLLTCQVKPNAEDKKSFDLISHNRTYHFQAEDEQDYI  
 AWISVLTNSKEEALMAFRGEQSTGENSLEDLTKAIIEDVQRLPGNDICDCGSSEPTWLSTNLGILTCI  
 ECSGIHREMGVHISRIQSLELDKLTSELLAKNVGNNSFNDIMEANLPSPPKPTPSSDMTVRKEYITA  
 KYVDHFRSRKTCASSAKLNELLEAIKSRDLLALIQVYAEGVELMEPLLEPGQELGETALHLAVRTADQT  
 SLHLVDFLVQNCGNLKDQTSVGNVTLHYCSMYGKPECLKLLLRSKPTVDIVNQNGETALDIARKLKATQC  
 EDLLSQAQSGKFNPHVHVEYEWNLQDEMDDESDDDLDDKPSPIKKERSPRPQSFCHSSSISPQDKLALPG  
 FSTPRDKQRLSYGAFTNQIFASTSTDLPTSPTSEAPPLPPRNAGKPTGPPSTLPLGTQTSGSSTLSKK  
 RPPPPPPGHKRTLSDPPSPLPHGPPNKGAIWGNVGVPLSSSKTANKFEGLSQQASTSSAKTALGPRVLP  
 KLPQKVALRKTETSHHLSLDRTNIPPETFQKSSQLTELPQKPLGELPPKPVELAPKPVGELPPKPGEL  
 PPKPQLGDLPPKQQLSDLPPKQMKDLPPKQQLGDLAKSQAGDVSQKVPSEVTQRSHTGDLSPNVQS  
 RDAIQKQASESDNLTPTLPETPVPLPRKINTGKNVRRVKTIYDCQADNDELTFIEGEVIIVTGEEDQ  
 EWWIGHIEGQPERKGVFPVSVFHILSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9049\\_c04.zip](https://cdn.origene.com/chromatograms/mm9049_c04.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

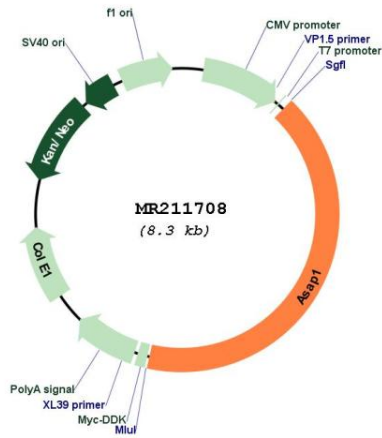


**ACCN:** NM\_010026

**ORF Size:** 3441 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_010026.3</a> , <a href="#">NP_034156.2</a>
<b>RefSeq Size:</b>	6281 bp
<b>RefSeq ORF:</b>	3444 bp
<b>Locus ID:</b>	13196
<b>UniProt ID:</b>	<a href="#">Q9QWY8</a>
<b>Cytogenetics:</b>	15 D1
<b>MW:</b>	127.9 kDa
<b>Gene Summary:</b>	May function as a signal transduction protein involved in the differentiation of fibroblasts into adipocytes and possibly other cell types. Plays a role in ciliogenesis (By similarity). Possesses phosphatidylinositol 4,5-bisphosphate-dependent GTPase-activating protein activity for ARF1 (ADP ribosylation factor 1) and ARF5 and a lesser activity towards ARF6. May coordinate membrane trafficking with cell growth or actin cytoskeleton remodeling by binding to both SRC and PIP2.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211708