

## Product datasheet for **MG211122**

### Asap3 (NM\_001008232) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Asap3 (NM_001008232) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Asap3
Synonyms:	9430088F20Rik; Ddefl1; Gm140; UPLC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG211122 representing NM\_001008232  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCCGAGCAGCTCAGTGTCCGGAGTTCCTGGCCGTCACCGCAGAGGACCTCAGTCCCCAGCCGGAG  
 CAGCTGCCTTCGCGCCAAGATGCCCGGTGCCCGGGCGCGCTGGCACGGGAGGAGGCCTGGAAGG  
 AGACCAGGCTATCTTACAGAGGATCAAGAAGGCTGTTTCGAGCTATCCACAGCTCTGGTCTCGGCCACGTG  
 GAGACTGAGGAGCATTACCGAGAGGCCGTGGAGGCCTTGGGGAATAGTCACTTGTCTCAAAAACAGCCACG  
 AGCTGTCCACTGGCTTCTGAACCTGGCTGTATTACCAGAGAGGTGGCTGCCCTCTCAAGAACCTGGT  
 TCAGAACCTGAACAACATCGTCTCTTCCCGCTGGACAGTCTGATGAAGGGGCATCTAAGGGATGGGCGA  
 CATGATTCAAAAAGCATCTGGAGAAGGCGTGGAAAGACTACGAAAGCAAAGTGGCCAACTGGAGAAGG  
 AGAGGGATCGGGCCAGGTTCCAGGAGGAAGCCATGGGGTGTATGCCAGGACACACAGCGAGAGCGACG  
 AGTCTCCAGCTGCACATGTGTGAGTACCTTGTCAAAGCTGGAGAGAGTCAAGTGAAGCAAGGCCAGAC  
 TTCTGCAGAGCCTCATCAAGTTCTTCATGCCAGCACAACCTTCTTCAAGATGGCTGGAAGGCAGCTC  
 AGAGCCTGTCCCCCTTATCGACAAGCTGGCAGCCTCAGTGCATGGGCTTCGGCAAGCTCAGGAAGAGGA  
 ACTGCACAAGCTCACCCAGCTCCGGGACTCCCTCCGAGGGATGCTGCACCTGGAGAGCAGAGAGGATCAC  
 CAAACCCGGAAGAAGCTCAGGGGGCGGCTACAGCATCCACCAGCACCAAGGCAACAAGCAGTTTGGGACTG  
 AGAAGGTGGGCTTCTGTACAAGAAAAGTATGGGATTCGAAGAGTCTGGCAGAAGAGGAAGTGTGGAGT  
 GAAGTATGGCTGCCTGACCATCTCGCACAGCATGATCAACAGGCCCCAGTGAAGCTGCCCTTGTGACG  
 TGCCAAGTGAAGCCCAACCCGAGGAGAAAAGTGTTCGACCTGGTACCCACAACCCGACTTACCCT  
 TCCATGCAGAGGACGAGCAGGAGTGTGAGGCATGGGTGTCAGTGTGCAGAATAGCAAGGACGAGCCCT  
 GAGCAATGCCTTTCACGGGGAGCCAGTGGCGGCCAGTGGTCTTGGGGCACCCGACTGGATACGGAGCCC  
 CACGACCTAACCAACATGCTTGTGCTGAGGTGAAGAGCAGGCCAGGGAATGACCGTTGCTGCGACTGTG  
 GGGCTGCAGACCCACGTGGCTCAGCACCAACCTGGGCGTGTACCTGCATCCAGTGTCCGGTGTCCA  
 CCGGGAGCTGGGCGTGCCTTCTCCCGATTCAATCGCTCACCTTGGACCTCCTGGGCCCTCGGAGCTG  
 CTGCTGGCTTTGAACATCGGAACTCCCACTTCAATGAAGTATGGAGGCCACCTGCCCTCCACGGCA  
 GCCCTAACCCCTCTGCTGAGAGTGACATGAGCAGCCGAGGAACACATTGTAGCCAAGTATGTAGAACA  
 CAAGTTCGCACGCCATTCACACCAGATCCCAGAAGCTACGGACAGCCATCTGCAGCCGGGACCTCCTC  
 TCCGCTCTGGAGCCCTTGGCAATGGGCAGGACTTCGGACAGCTGCTGCCAGGGCCTGATGGGCAGGCAC  
 CAGGAGAGCTCGCCCTGCACTTGGCCATCAGAGTCGCCAGCCATGCTTCCCTGCCGATAGTGGACTTCT  
 CATCCAGAATGGTGGCCACTGGATGCCAAGCTGCAGATGGAACACCCGCCCTGCACTGCGCGGCGCTC  
 CACGGCCAGCTAGACTGTCTCAAAGTGTGCTAAGAGGAAGGGCTCCCCTGGGGGCGAGTAAATGATGCTG  
 GAGAGACAGCCCTGGACATAGCCAGAAACAGACAGCACAAGGAATGTGAAGAGCTGCTGGAGCAGGCACA  
 AGCGGGGACGCTTGTCTTCCCTGTCATATGGACTACCACTGGGGACATTCATGGAACACGGCTTTGAC  
 AGTGAGGAGGAGGAGGAGGAAGAAAAGCACTGCCCTCGAAGCCCCAGCGCAGGCCTGCTGGGGTAGTG  
 TGAGGCTGGACATCAGCAACAAGACCTATGAGACCGTTGCCACCCGGGACCAGCCACCACTCAGAGCCA  
 AAGTGAGGACAGTCCCCACCCCTGCCATCAAAAACCTTCTCGGACCATAGTCTCGGGCAGCCGGA  
 CATTGCAGTGGAGATCGTTCTGACCTTCCAGCCTGAGATCAGAATCTCCTGAGGCCTTAGAAAAACCGGA  
 GCAGCCCAGCATCCTCCTCCTCCAGCCTACCAGCTCAGTGAACCCGGGGGGCTGAGCCAGGCCCGCTC  
 TAGCCCTGAAGAGGGCCTCCAGGAATCAGCCAGCATCTCACGCCCTGGCCTGGCATCTGGAACCTACCTCT  
 GCTGAGGTGTACCTCCCTGTCAAATTCAGCTCAGAGAGCACTCGATCCTACAGACGGGGAGGCCGAAGTC  
 TGGAAAGACAGTCCCTCTGCCCGGCAGCCTCTGTGTAGTAGAAGGCACATTCCGGTTGGCCTCGTGGAAAG  
 AGATGGCTCAAAGATCGGGGTTCTCCCGATTCCCTGCAACTCTTGCACGAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >MG211122 representing NM\_001008232  
 Red=Cloning site Green=Tags(s)

MPEQLSVAEFLAVTAEDLSSPAGAAFAAKMPCRGAALAREEALEGDQAILQRIKKAVRAIHSSGLGHV  
 ETEEHYREAVEALGNSHLSQNSHELSTGFLNLAVFTREVAALFKNLVQNLNNIVSFPLDSLMMKGLRDGR  
 HDSSKKHLEKAWKDYESKVAKLEKERDRARFPGGSHGVMSQDTQRERRVFQLHMCEYLVKAGESQVKQGPD  
 FLQSLIKFFHAQHNFQDQGWKAAQSLSPFIDKLAASVHGLRQAQEEELHKLTLQRDLSLRGMLHLESREDH  
 PNRKNSGGGYSIHQHQGNKQFGTEKVGFLYKKS DGI RRVWQKRKCGVKY GCLTISHSMINRPPVKLPLLT  
 CQVRPNPEEKRCFDLVTHNRTYHFHAEDEQECEAWVSVLQNSKDEALSNAFHGEPSSGGQWSWGTRLDTEP  
 HDLTNMLVAEVKSRPGNDRCCDCGAADPTWLSTNLGVLTCIQCSGVHRELGVRF SRIQSLTDL L GPSEL  
 LLALNIGNSHFNEVMEAHLP SHGSPKPSAESDMSSRRNYIVAKYVEHKF ARHSTPDPQKLR TAICSRDLL  
 SVLEAFANGQDFGQLLPGPDGQAPGELALHLAIRVASHASLPIDVFLIQNGGHLDAKAADGNTALHCAAL  
 HGQLDCLKLLLRGRAPVGAVNDAGETALDIARNRQHKCEELLEQAQAGTLAFPLHMDYHWGHSMEHGFD  
 SEEEEEEEKHCP SKPPAQACWGSVRLDISNKTYETVATPGPATTQSQSEDSPPPLPIKNSRTIVLGRAG  
 HCSGDRSDLP SLRSEPEALENRSPASSSSSLTSSVEPGGLSQAPSSPEEGLQESASISRPGLASGTTT  
 AEVYLPVKF SSESTRSYRRGGRSLEDSP SARQPLCSR RHIPVGLVEGDGSKI GVL PDSLQLLHD

TRTRPLE - GFP Tag - V

**Restriction Sites:**

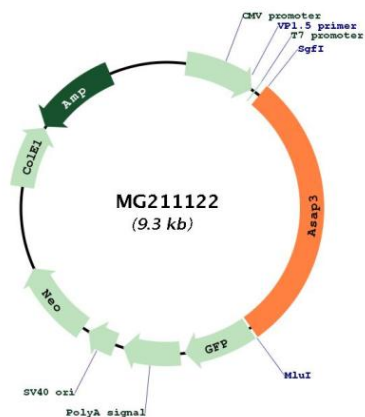
Sgfl-MluI

**Cloning Scheme:**



<b>ACCN:</b>	NM_001008232
<b>ORF Size:</b>	2712 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_001008232.2</a> , <a href="#">NP_001008233.1</a>
<b>RefSeq Size:</b>	5582 bp
<b>RefSeq ORF:</b>	2715 bp
<b>Locus ID:</b>	230837
<b>UniProt ID:</b>	<a href="#">Q5U464</a>
<b>Cytogenetics:</b>	4 D3
<b>Gene Summary:</b>	Promotes cell proliferation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG211122