

## Product datasheet for **MC222030**

### Apba1 (NM\_177034) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Apba1 (NM_177034) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Apba1
Synonyms:	6430513E09Rik; Lin-10; Mint; Mint1; Urop11; X11; X11alpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222030 representing NM\_177034  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAACCACTTGGAGGGCTCCGCGAGGTGGAGGTGGCCGACGAGGCCAGGAGGGAGGTGAACGAGT  
 CCGTGGAGGCCGACCTGGAGCACCCGAGGTGGTGGAGGGACAGCAGCCGTCGCCATCGCCCCCGCCG  
 CGCAGGTACGAGCCCGAGGACCACCGCGGCATCCCGCTCCGCCACCGCCGCCACCACCGAGGAGGAG  
 GAGGAGGAAGAGCGCGGAGTGCCTGGCGCGCTCGGCCAGCACCAGAGCGGCTTCCACAACCACACGG  
 ACACGGCCGAGGGCGACGTGCTCGCGCGGCCGCGACGGCTACGAGGCGGAGCGCGCAGGACGCCGA  
 CGATGAGAGCGCTACGCCGTGCAGTACCGGCCGAGGCCGAGGAGTACACGGAGCAGCGGAGGCCGAG  
 CACGTCGAGGCGCGCAGCGCGCGCTGCCAACCACCTGCACTTCCACTCGTGGAGCAGGAGAA  
 CCATGAACGCCGCTACTCGGGTACGTCTACACGACCCGGCTTCCACCGCGCCGAGGACGAGCCGTA  
 CGCCGAGCCCTACGCCACTACGGCGGCCCTCAGGAGCACGTGTACGAGGAGATCGGGGACGCGCCGAG  
 CTGGAGGCGCGCAGCGCTGCGGCTCTACGAGCGCAGCGCAGGAGGCGCCGCTACCGCCAGGAGG  
 CCCTGGGCGCGCGGCTGCACCACTACGACGAGCGCTCCGACGGCGAGTCCGACAGCCCCGAGAAGGAGG  
 GGAGTTCGCGCCCTACCGCGCATGGACAGTTATGAGCAGGAAGAGGACATCGACCAGATCGTGGCCGAG  
 GTCAAGCAGAGCATGAGTTCGCAGAGCCTCGACAAGGCGGCCAAGACATGCCCGAGGCGGAGCAGGACC  
 TGGAGCGTGCCCCGACTCCGGGAGGGGGACACCCCGACAGTCCCGGGCTGCCAGCACCTGCCGGGACGA  
 GCAGCGGTGCTGGGAACCCCGGAGGCCAGCGAGGTTGGCAGCGGTACAGCAAGGAAAAGAGGGATGCC  
 ATCTCGCTGGCCATCAAGGACATCAAGGAGGCCATTGAAGAAGTAAAACCAGGACCATCCGTTCCGCTT  
 ACACCCCGACGAGCCCAAAGAGCCCATCTGGGTATGCGCCAGGACATTAGCCCCACGAGGACGTGA  
 CGACCAGGCGCCGTGGACGGAGATTCTCGTCTCCTGGCAGTTCTCACCCCTGGGTGCTGAGTCATCA  
 AGCATACCCCTTATCCCGCGACCCACGGAAGCCTCCACAAATAAAGAGTCAAGAAAAAGCTTGCTT  
 CATTCCCAACCTACGTTGAAGTTCCTGGACCGTGCACCTGAAGACTTGATCGATGGAATTATTTTTGC  
 TGCCAATTACCTTGTTCCACTCAGTACTCTCAGACAAAACCTCCCTCAAAAAATGTACGCATGATGACG  
 GCCCAGGAAGCAGTAAGCCGGATCAAGACGGCCAGAAATAGCCAAAAGCAGGAAGAAGGCTCCTGAAG  
 GCGAATCTCAGCAATGACTGAGGTGGACCTGTTATCTCTACCCAGAGGATCAAAGTACTGAATGCGGA  
 TACACAGGAACCTATGATGGACCACCTCTGAGGACATTTCTACATCGCAGACATTGGCAACATCGTC  
 GTGCTGATGGCCCGCAGGCGGATGCCCCGTTCTAACTCCAGGAAAATGTGGAGGCTCTCACCCCTCCC  
 AGGATGAAAAAGACAGTACAAGATGATCTGCCATGTCTTTGAGTCTGAGGACGCCCAGCTGATCGCGCA  
 GTCCATAGGACAGGCATTCAGTGTTGCGTACCAGGAATTCCTCAGGGCCAATGGCATCAACCCAGAGAC  
 CTCAGCCAGAAGGAATACAGTGACCTGCTCAACACCCAGGACATGTACAACGATGACCTGATCCACTTCT  
 CCAAGTCGAAAACTGCAAAGATGTCTTCATAGAGAAGCAGAAAGGTGAGATCCTGGGAGTTGTGATTGT  
 GGAGTCTGGTGGGATCCATTTGCCAACCGTATCATTGCCAACATGATGCACGGGGGCCCTGCAGAG  
 AAGTCGGGAAGCTGAATATCGGGGACCAGATCATGTCCATCAACGGCACCAGCTGGTGGGCTGCCTC  
 TCTCTACCTGCCAGACATCATTAAAGGCTTAAAGAACCAGTCCCGAGTGAAGCTGAATATCGTGAAGT  
 CCCCCAGTGACCACAGTGCTAATAAGGAGGCCGACCTTCGCTACCAGCTGGGTTTCAGCGTACAGAAT  
 GGAATTATCTGCAGCCTCATGAGAGGGGAATCGCTGAGAGAGGAGGCGTCCGCGTGGGACATCGGATCA  
 TCGAAATCAATGGCCAGAGTGTCTGAGCACACCACAGAGAAGATCGTCCACATCCTCTCCAATGCTGT  
 TGGGAGATCCACATGAAGACAATGCCAGCAGCCATGTACCGACTGCTGACGGCCAGGAGCAGCCGTT  
 TACAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_177034  
**Insert Size:** 2529 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_177034.3</a> , <a href="#">NP_796008.2</a>
<b>RefSeq Size:</b>	6649 bp
<b>RefSeq ORF:</b>	2529 bp
<b>Locus ID:</b>	319924
<b>UniProt ID:</b>	<a href="#">B2RUJ5</a>
<b>Cytogenetics:</b>	19 B
<b>Gene Summary:</b>	Putative function in synaptic vesicle exocytosis by binding to Munc18-1, an essential component of the synaptic vesicle exocytotic machinery. May modulate processing of the amyloid-beta precursor protein (APP) and hence formation of AAP-beta (By similarity). [UniProtKB/Swiss-Prot Function]