

## Product datasheet for **MC221278**

### Apba2 (NM\_007461) Mouse Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | Apba2 (NM_007461) Mouse Untagged Clone |
| Tag:                      | Tag Free                               |
| Symbol:                   | Apba2                                  |
| Synonyms:                 | mXIII; X11-like; X11L; XIII            |
| Mammalian Cell Selection: | Neomycin                               |
| Vector:                   | pCMV6-Entry (PS100001)                 |
| E. coli Selection:        | Kanamycin (25 ug/mL)                   |



[View online »](#)

**Fully Sequenced ORF:** >MC221278 representing NM\_007461  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCACCGAAGCGTCAGAGCACTGCAAGCAGCATGTGGACCACAGGGCCAGGCCAGTCCCTATCC  
 CCCATGACCAGGAGCCTGAGAGTGAGGACACAGAAGTGCCTCTGGAGAGCTATGTACCCACAGGCCTGGA  
 GCTGGGCACTCTGAGGCCAGAGACCCACGCCGAGGAACAGGAGTGCCACAACCATAGTCTGATGGG  
 GACTCCAGCTCTGACTATGTGAACAACACATCTGAGGAGGAGGACTATGACGAGGGCCTCCCTGAGGAGG  
 AGGAGGGTGTACCTACTACATCCGCTACTGTCTGAGGATGACAGCTACCTGGAGGGCATGGACTGTAA  
 TGGGGAGGAATACATAGCACACGGTGCACATCCCGTGGACACCGATGAGTGTGAGGAGCGGTGGAGGAC  
 TGGACGGACTCAGTGGGCCCTCATACTCATAGCCACGGGGCTGAAAACAGCCAGGAGTACCCAGATGGCC  
 ACCTGCCTATCCAGAGGATGACCCTACTGTCTGGAGGTCATGACCAGGAAGAAGATGGCCACTACTG  
 TTCCAGCAAGGAGAGCTACCAGGACTATTACCCCCAGAGACCAATGGGAACACAGGTGGCGCCTCCCC  
 TATCGCATGAGGCGTGGGGATGGGGACCTAGAGGAGCAGGAGGAAGACATCGACCAGATAGTGGCTGAGA  
 TCAAGATGAGCCTGAGCATGACCAGTATTACCAGTGCCAGCGAGGCCAGCCCTGAGCACATGCCGGAGCT  
 GGATCCCGGGGATTCCACTGAGGCCTGTCCACCCAGTGACACTGGCCATGGACCCGGTAGGCAAGAAGCA  
 AGGCCAAAGTCGCTGAACCTTCCCCCTGAGGTTAAGCACCTGGAGACCTCCAGAGAGGACTCAAGACCA  
 AGACCAGGACCCAGAGGAGAGGGCCAAAGTGGCCCAAGAGCAGGTTTGAATGGCTTAGAGCAGCCAAG  
 GAAGCAGCAGCGCTCTGATCTCAATGGGCCACTGACAATAACAACATCCAGAGACAAAGAAGTGGCA  
 TCATTTCCAAGCTTTGTGGTGTCCAGGGCCCTGTGAGGCAGAAGACCTCATCGATGGAATCATCTTTG  
 CAGCCAACCTACCTGGGCTCCACCCAGTGTCTCTGAGCGCAACCCCTCCAAAAACATCCGAATGATGCA  
 GGCTCAAGAAGCCGTGAGCAGGGTCAAGAGGATGCAGAAGGCTGCTAAGATCAAGAAAAAAGCGAATTCT  
 GAGGGTGTGCTCAGACACTGACAGAAGTAGACCTCTTCAATTCGACCCAGAGGATCAAGGTCTTAAACG  
 CTGACACGCAGGAAACCATGATGGACCATGCCTTGCACCATCTCCTACATTGCAGACATTGGGAACAT  
 CGTGGTTCTGATGGCCAGGCGCCGATGCCAGGTGAGCCTCTCAGGACTGCATTGAGACCACGCTGGG  
 GCCAGGAGGGAAAGAAGCAGTACAAGATGATCTGTACGTGTTGAGTGCAGAGGATGCCAGCTGATCG  
 CCCAGTCCATTGGCAGGCTTACGCGTGGCTTACCAGGAGTTCCTGAGGGCCAATGGCATCAACCCCGA  
 AGACCTGAGCCAGAAGGAATATAGCGACATCATAAATACCCAAGAGATGTATAATGACGACCTCATCCAC  
 TTCTCAAACCTCAGAGAACTGCAAGGAGCTGCAGCTAGAGAAGCACAAGGGTGAGATTTTGGGTGTGGTGG  
 TCGTGGAAATCGGGCTGGGGCTCCATCCTGCCACTGTGATCCTGGCGAACATGATGAACGGCGGCCAGC  
 GGCTCGCTCAGGGAAGCTGAGCATTGGGGACCAGATCATGTCCATCAACGGCACCAGCCTGGTGGGGCTG  
 CCCCTGGCTACGTGCCAGGGCATCATCAAGGGCCTGAAGAACCAACCCAGGTAAAGCTCAACATTGTCA  
 GCTGCCCCCGGTACCACCGTCTCATCAAGCGTCCAGACCTCAAGTACCAGCTGGGTTTCAGCGTGCA  
 GAATGGAATCATCTGCAGCCTCATGAGAGGGGGTATTGCAGAGCGAGGTGGTGTCCGAGTCGGCCACCGT  
 ATCATCGAGATCAACGGACAGAGTGTGGTAGCCACAGCCCATGAGAAGATAGTCCAGGCTCTGTCTAACT  
 CGGTGGGAGAGATTCACATGAAGACCATGCCTGCAGCCATGTTTAGGCTCCTCACGGGCCAGGAGACCC  
 GCTGTACATC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_007461  
**Insert Size:** 2253 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_007461.2</a> , <a href="#">NP_031487.1</a>   |
| <b>RefSeq Size:</b>           | 3334 bp   |
| <b>RefSeq ORF:</b>            | 2253 bp   |
| <b>Locus ID:</b>              | 11784   |
| <b>UniProt ID:</b>            | <a href="#">P98084</a>  |
| <b>Cytogenetics:</b>          | 7 34.65 cM  |
| <b>Gene Summary:</b>          | Putative function in synaptic vesicle exocytosis by binding to STXBP1, an essential component of the synaptic vesicle exocytotic machinery. May modulate processing of the amyloid-beta precursor protein (APP) and hence formation of APP-beta.[UniProtKB/Swiss-Prot Function]<br>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. All three variants encode the same protein.  |