

Product datasheet for **MC228852**

Apba2 (NM_001291167) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apba2 (NM_001291167) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Apba2
Synonyms:	mXIII; X11-like; X11L; XIII
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228852 representing NM_001291167
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCACCGCAAGCGTCAGAGCACTGCAAGCAGCATGTGACCACAGGGCCAGGCCAGTCCCTATCC
 CCCATGACCAGGAGCCTGAGAGTGAGGACACAGAAGTGCCTCTGGAGAGCTATGTACCCACAGGCCTGGA
 GCTGGGCACTCTGAGGCCAGAGACGCCACGCCGAGGAACAGGAGTGCCACAACCATAGTCTGATGGG
 GACTCCAGCTCTGACTATGTGAACAACACATCTGAGGAGGAGGACTATGACGAGGGCCTCCCTGAGGAGG
 AGGAGGGTGTACCTACTACATCCGCTACTGTCTGAGGATGACAGCTACCTGGAGGGCATGGACTGTAA
 TGGGGAGGAATACATAGCACACGGTGCACATCCCGTGGACACCGATGAGTGTGAGGAGCGGTGGAGGAC
 TGGACGGACTCAGTGGGCCCTCATACTCATAGCCACGGGGCTGAAAACAGCCAGGAGTACCCAGATGGCC
 ACCTGCCTATCCAGAGGATGACCCTACTGTCTGGAGGTCATGACCAGGAAGAAGATGGCCACTACTG
 TTCCAGCAAGGAGAGCTACCAGGACTATTACCCCCAGAGACCAATGGGAACACAGGTGGCGCCTCCCC
 TATCGCATGAGGGCTGGGGATGGGGACCTAGAGGAGCAGGAGGAAGACATCGACCAGATAGTGGCTGAGA
 TCAAGATGAGCCTGAGCATGACCAGTATTACCAGTGCCAGCGAGGCCAGCCCTGAGCACATGCCGGAGCT
 GGATCCCGGGGATTCCACTGAGGCCTGTCCACCCAGTGACACTGGCCATGGACCCGGTAGGCAAGAAGCA
 AGGCCAAGTCGCTGAACCTTCCCCCTGAGGTTAAGCACCTGGAGACCTCCAGAGAGGACTCAAGACCA
 AGACCAGGACCCAGAGGAGAGGCCAAAGTGGCCCAAGAGCAGGTTTGAATGGCTTAGAGCAGCCAAG
 GAAGCAGCAGCGCTCTGATCTCAATGGGCCACTGACAATAACAACATCCAGAGACAAAGAAGTGGCA
 TCATTTCCAAGCTTTGTGGTGTCCAGGGCCCTGTGAGGCAGAAGACCTCATCGATGGAATCATCTTTG
 CAGCCAACCTACCTGGGCTCCACCCAGTGTCTCTGAGCGCAACCCCTCCAAAAACATCCGAATGATGCA
 GGCTCAAGAAGCCGTGAGCAGGGTCAAGAGGATGCAGAAGGCTGCTAAGATCAAGAAAAAAGCGAATTCT
 GAGGGTGTGCTCAGACTGACAGAAGTAGACCTCTTCAATTCGACCCAGAGGATCAAGGTCTTAAACG
 CTGACACGCAGGAAACATGATGGACCATGCCTTGCACCATCTCCTACATTGCAGACATTGGGAACAT
 CGTGGTTCTGATGGCCAGGCGCCGATGCCAGGTGAGCCTCTCAGGACTGCATTGAGACCACGCTGGG
 GCCAGGAGGAAAGAAGCAGTACAAGATGATCTGTACGTGTTGAGTGCAGAGGATGCCAGCTGATCG
 CCCAGTCCATTGGCAGGCTTCCAGCGTGGTACCAGGAGTTCCTGAGGGCCAATGGCATCAACCCCGA
 AGACCTGAGCCAGAAGGAATATAGCGACATCATAAATACCCAAGAGATGTATAATGACGACCTCATCCAC
 TTCTCAAACCTCAGAGAACTGCAAGGAGTGCAGCTAGAGAAGCACAAGGGTGAGATTTTGGGTGTGGTGG
 TCGTGGAAATCGGGCTGGGGCTCCATCCTGCCACTGTGATCCTGGCGAACATGATGAACGGCGGCCAGC
 GGCTCGCTCAGGGAAGCTGAGCATTGGGGACCAGATCATGTCCATCAACGGCACCAGCCTGGTGGGGCTG
 CCCCTGGCTACGTGCCAGGGCATCATCAAGGGCCTGAAGAACCAACCCAGGTAAAGCTCAACATTGTCA
 GCTGCCCCCGGTACCACCGTCTCATCAAGCGTCCAGACCTCAAGTACCAGCTGGGTTTCAGCGTGCA
 GAATGGAATCATCTGCAGCCTCATGAGAGGGGGTATTGCAGAGCGAGGTGGTGTCCGAGTCGGCCACCGT
 ATCATCGAGATCAACGGACAGAGTGTGGTAGCCACAGCCCATGAGAAGATAGTCCAGGCTCTGTCTAACT
 CGGTGGGAGAGATTCACATGAAGACCATGCCTGCAGCCATGTTTAGGCTCCTCACGGGCCAGGAGACCC
 GCTGTACATC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001291167
Insert Size: 2253 bp

OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001291167.1, NP_001278096.1</u>
RefSeq Size:	3283 bp
RefSeq ORF:	2253 bp
Locus ID:	11784
UniProt ID:	<u>P98084</u>
Cytogenetics:	7 34.65 cM
Gene Summary:	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] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All three variants encode the same protein.