

## Product datasheet for **SC119401**

### APBA1 (NM\_001163) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	APBA1 (NM_001163) Human Untagged Clone
Tag:	Tag Free
Symbol:	APBA1
Synonyms:	D9S411E; LIN10; MINT1; X11; X11A; X11ALPHA
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC119401 sequence for NM\_001163 edited (data generated by NextGen Sequencing)

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ATGAACCACTTGGAGGGGTCTGCGGAGGTGGAGGTGACCGACGAGGCGGCAGGTGGGGAG
GTGAACGAGTCCGTGGAGGCCACTGGAGCACCCGAGGTGGAAGAGGAACAGCAGCAG
CCGCCGCAGCAGCAGCACTATGTGGCCGCCACCAGCGGGCGAGCCCTCGAGGACCTC
CGCGCCAGCTCGGCCAGGAGGAAGAGGAGCGCGGGGAATGCCTGGCGCGCTCAGCCAGC
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CGCGACGGCTACGATGCGGAGCGCGCAGGACCCCGAGGACGAGAGCGCCTATGCTGTG
CAGTACCGGCCCGAGGCCGAGGAGTACACGGAGCAGGCAGAGGCCGAGCACGCCGAGGCC
ACGCACCGCCGCGCGCTGCCAACCACCTGCACTTCCACTCGCTGGAGCACGAGGAAGCC
ATGAATGCGGCCTACTCAGGCTACGTCTACACGCACCGGCTTTCCACCGCGGTGAGGAC
GAGCCCTACTCCGAGCCCTATGCCGACTACGGCGGCTCCAGGAGCACGTGTACGAGGAG
ATAGGGGACGCGCCGAGCTGGACGCACGCGACGGCTGCGGCTCTACGAGCAGGAGCGC
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ATGCGCCAGGACATTAGCCCCACCAGGGACTGTGACGACCAGAGGCCGATGGACGGAGT
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CCAGTGACCCTGTGGAAGCGTCCAATAAAGAGTCAAGAAAAAGCTTGGCTTCATTC
CCAACCTACGTTGAAGTCCGGGACCCTGCGACCCCGAAGACTTGATCGATGGAATCATT
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CGGCGGATGCCTCGTCCAACCTCCAGGAGAACGTGGAAGCGTCCACCCATCCCAGGAT
GGGAAAAGGCAGTACAAGATGATCTGCCACGTCTTCGAGTCTGAGGATGCTCAGCTGATT
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TACAACGATGACCTGATCCACTTCTCCAAGTCGGAAAACGTAAAGATGTTTTATAGAG
AAGCAGAAAGGAGAAATCCTAGGTGTGGTGATTGTGGAGTCTGGCTGGGGATCCATCCTC
CCCACCGTGATCATTGCCAACATGATGCATGGTGGCCCTGCGGAGAAATCTGGGAAGCTG
AATATCGGTGACCAGATCATGTCCATTAATGGCACCAGCCTGGTGGCCCTGCCTCTGTCC
ACCTGCCAGAGCATTATTAAGGGCTTAAAGAATCAGTCCCGAGTCAAGCTGAATATCGTG
AGATGTCCTCCGGTGACCACCGTGAATCAGAAGACCAGACCTTCGCTACCAGCTCGGT
TTCAGCGTCCAGAATGGAATTATCTGCAGCCTCATGCGAGGGGGAATAGCTGAGAGAGGA
GGCGTCCGTGTGGGGCACCGGATCATTGAAATCAATGGACAGAGCGTCGTGGCCACCCCC
CACGAGAAGATCGTCCACATTCTCTCCAATGCTGTTGGGGAGATTCATATGAAGACAATG
CCAGCCGCGATGTACAGGCTGCTGACGGCCAGGAGCAGCCTGTTACATCTGA

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Clone variation with respect to NM\_001163.3

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_001163 unedited</p> <pre>TTGTATCCGACTCCTATAGGCGGCCGNAATTCGCACGAGGGCTCCCACCATGAACCAC TTGAGGGGTCTGCGGAGGTGGAGGTGACCGACGAGGCGGCAGGTGGGGAGGTGAACGAG TCGGTGGAGGCCGACCTGGAGCACCCCGAGGTGGAAGAGGAACAGCAGCAGCCGCCGAG CAGCAGCACTATGTGGGCCGCCACCAGCGCGGGCGAGCCCTCGAGGACCTGCGCGCCAG CTCGGCCAGGAGGAAGAGAGCGCGGGGAATGCCTGGCGCGCTCAGCCAGCACGGAGAGC GGCTTCCACAACCACACGACACCCGAGGCGGACGTGATCGCCGCGGCCCGCAGCGGC TACGATGCGGAGCGCGCGCAGGACCCCGAGGACGAGAGCGCCTATGCTGTGCAGTACCGG CCCGAGGCCGAGGAGTACACGGAGCAGGAGGCGGAGCACGCCGAGGCCACGCACCCG CGCGCGCTGCCCAACCACCTGCACTTCCACTCGCTGGAGCACGAGGAAGCCATGAATGCG GCCTACTCAGGCTACGTCTACACGCACCGGCTCTTCCACCGCGGTGAGGACGAGCCCTAC TCCGAGCCCTATGCCGACTACGGCGGCCNACAGGAGCACGTGTACGAGGAGATAGGGGAC GCGCCCGAGCTGGACGCACGCGACGGCCTGCGGCTCTACGAGCANGAGCGCGACGAGGCG GCCGCGTACCGCCAGGAAGCCCTGGGCGCGGGCTGCACCATTACGACGAGCGCTCCGAC GGCGAAGTCCGACAGCCCGAGAAGGAGCCGAGTTCGCGCCCTACCCGCGCATGGACAGN NTACGAGCAGGAGGAGGACATCGACCAGNATAGTGGCG</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_001163 unedited</p> <pre>NGGTAATACTATGTACCGCGGCCGCAATCTANGATCGAGTTTTTTTTTTTTTTTTTTTGG AGGTGAAGTTCTGTATTGTTGCAGCAACTCTATACAGACATTAGCGTTCAGTTAAA TAAAGGAAGATAGATAGCACAGTAAATACATCACAAACCCAAACTGGATGACTGTGGCCA CGGGACGAGGAGGGAGGGAGGGAGGACCAGTGACCAGACTGTCAAGGAAGTACATTCA GTGGGTGTGCGGTGTCCACATTCAGGCTCACGTGTAGATATATTTTATTATATATTTA TTTATATTTATATATAGATCATTGATTTTGTGTATACAAGAACGATATTGTTACAAAT ACAATACTATACTTCTCCGACACTTTACAATAAGCTCTATTTACCCCTCTTTACAGAAC AATAGTACAAGTTCATACTCTAGGTGCTGTGCTAAGTATGTACAAGAAATGTCATTCCCA CACAGTCTCACACACTGCCTTGATGGAGGGGAAGAAAGATCGAGTTGTGTGCTTCAGTC AACCTAGGCCAGGGAAGGAGACCCATGAAACTCCAACCCACGGGTGGCCTGTGAAGGCGA GTAACACATCCAGGAGGGCGGCCCTGTGAGAGTTCTCACCTGGGTCCCGCAGGTGTTGTG CCCTGGGGGGGGGGCACCCGACCCACGGCGGAGTCACTCCGTCTCCCGGGCTCCCC CGAAGCCGTGGTCCGGGCGACGTTACGAAAGCCACCCGACGCAAGGGCCCGCGGCC GGGGCGGGGCTCCCCACGCCACCGGCTGTGAGCCACCTGTTCTCGGGCGCCGCGCCCC T</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_001163
<b>Insert Size:</b>	4300 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).

**Reconstitution Method:**

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:** [NM\\_001163.2](#), [NP\\_001154.2](#)

**RefSeq Size:** 3778 bp

**RefSeq ORF:** 2514 bp

**Locus ID:** 320

**UniProt ID:** [Q02410](#)

**Cytogenetics:** 9q21.12

**Domains:** PDZ, PID

**Gene Summary:** The protein encoded by this gene is a member of the X11 protein family. It is a neuronal adapter protein that interacts with the Alzheimer's disease amyloid precursor protein (APP). It stabilizes APP and inhibits production of proteolytic APP fragments including the A beta peptide that is deposited in the brains of Alzheimer's disease patients. This gene product is believed to be involved in signal transduction processes. It is also regarded as a putative vesicular trafficking protein in the brain that can form a complex with the potential to couple synaptic vesicle exocytosis to neuronal cell adhesion. [provided by RefSeq, Jul 2008]