

Product datasheet for **RC215146**

APBA1 (NM_001163) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APBA1 (NM_001163) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	APBA1
Synonyms:	D9S411E; LIN10; MINT1; X11; X11A; X11ALPHA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC215146 representing NM_001163
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCACTTGGAGGGTCTGCGGAGGTGGAGGTGACCGACGAGCGGCAGGTGGGAGGTGAACGAGT
 CGGTGGAGGCCGACCTGGAGCACCCGAGGTGGAAGAGGAACAGCAGCAGCCGCCGAGCAGCAGCTA
 TGTGGGCCGCCACCAGCGCGGGCAGCCCTCGAGGACCTCCGCGCCAGCTCGGCCAGGAGGAAGAGGAG
 CGCGGGGAATGCCTGGCGGCTCAGCCAGCAGGAGAGCGGCTTCCACAACCACACGGACACCGCCGAGG
 GCGACGTGATCGCCGCGGCCCGACGGCTACGATGCGGAGCGCGCAGGACCCGAGGACGAGAGCGC
 CTATGCTGTGCAGTACCGGCCGAGGCCGAGGAGTACACGGAGCAGGCAGAGGCCGAGCAGCCGAGGCC
 ACGCACCCCGCGCGCTGCCAACCACCTGCACCTCCACTCGCTGGAGCAGGGAAGCCATGAATGCGG
 CCTACTCAGGCTACGCTACACGCACCGGCTCTCCACCGCGGTGAGGACGAGCCCTACTCCGAGCCCTA
 TGCCGACTACGGCGCCCTCCAGGAGCACGTGTACGAGGAGATAGGGGACGCGCCCGAGCTGGACGCACGC
 GACGGCCTGCGGCTCTACGAGCAGGAGCGCAGCAGGCGCCCGCTACCGCCAGGAGGCCCTGGGCGCGC
 GGCTGCACCATTACGACGAGCGCTCCGACGCGGAGTCCGACAGCCCGAGAAGGAGGCCGAGTTCGCGCC
 CTACCCGCGCATGGACAGCTACGAGCAGGAGGAGGACATCGACCAGATAGTGGCCGAGGTGAAGCAGAGC
 ATGAGCTCGCAGAGCCTCGACAAGGCAGCCGAGGACATGCCTGAGGCCGAGCAGGACCTGGAGCGTCCCC
 CTACCCCGGGCGGGGGTGCAGCCGACAGCCCGGGCTGCAGGCGCCGGCGGGGCAGCAGCGGGCGGTGGG
 CCCCAGGGCGGGCGGAGGCGGGGCAGCGGTACAGCAAGGAGAAGCGCGATGCCATCTCGCTGGCCATC
 AAGGACATCAAGGAGGCCATCGAGGAGGTGAAAACCAGGACCATCCGTTTCGCTTACACCCCGACGAGC
 CCAAAGAGCCCATCTGGGTCATGCGCCAGGACATTAGCCCCACAGGACTGTGACACCAGAGCCGAT
 GGACGGAGATTCTCCGTCTCCTGGCAGTCTCCCCCTTGGGTGCAGAGTCATCAAGCACATCTCTTCAC
 CCCAGTGACCCTGTGGAAGCGTCCACTAATAAAGAGTCAAGAAAAGCTTGGCTTCATTCCCAACCTACG
 TTGAAGTTCGGGACCCTGCGACCCGAAGACTTGATCGATGGAATCATTTTTGCCGCAATTACCTTGG
 CTCCACTCAGTCTCTCAGACAAAACCTTCCAAAACGTGCGCATGATGCAGGCCAGGAAGCCGTA
 AGCAGGATCAAGATGGCCAGAAATTAGCCAAAAGCAGGAAGAAGGCTCCTGAAGCGAATCTCAGCCAA
 TGACTGAAGTGGATCTCTTATTCTACCCAGAGAATCAAAGTGTGAACGCCACACAGGAGACAAT
 GATGGACCACCCTCTGAGGACCATTTCCTACATTGCGGACATTGGGAACATCGTTGTGCTGATGGCCCGC
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 ATTTAGCGTGGCATAACCAGGAATTCCTCAGGGCAATGGGATTAACCCCGAAGATCTCAGCCAGAAGGAG
 TATAGTGACCTGTCAATACCCAGGACATGTACAACGATGACCTGATCCACTTCTCCAAGTCGGAAAAC
 GTAAGATGTTTTATAGAGAAGCAGAAAGGAGAAATCCTAGGTGGTGGTATTGTGGAGTCTGGCTGGGG
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 AATATCGGTGACCAGATCATGTCCATTAATGGCACCAGCTGGTGGCCCTGCCTCTGTCCACCTGCCAGA
 GCATTATTAAGGGCTTAAGAATCAGTCCCGAGTCAAGCTGAATATCGTGAGATGTCTCCGGTGACCAC
 CGTGTTAATCAGAAGACCAGACCTTCGCTACCAGCTCGGTTTCAGCGTCCAGAATGGAATTATCTGCAGC
 CTCATGCGAGGGGAATAGCTGAGAGAGGAGCGTCCGTGTGGGCACCGGATCATTGAAATCAATGGAC
 AGAGCGTCTGGCCACCCCCACGAGAAGATCGTCCACATTCTCTCAATGCTGTTGGGGAGATTATAT
 GAAGACAATGCCAGCCGCGATGTACAGGCTGCTGACGGCCAGGAGCAGCCTGTTTACATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC215146 representing NM_001163
 Red=Cloning site Green=Tags(s)

MNHLEGSAEVEVTDEAAGGEVNESVEADLEHPEVEEEQQQPPQQHYVGRHQRGRALEDLRAQLGQEEEE
 RGECLARSASTESGFHNHTDTAEGDVIAAARDGYDAERAQDPEDESAYAVQYRPEAEEYTEQAEAEHAEA
 THRRALPNHLHFHSLHEHEAMNAAYSGYVYTHRLFHRGEDEPYSEPYADYGGQLQEHVYEEIGDAPELDAR
 DGLRLYEQERDEAAAYRQEALGARLHHYDERSDGE SDSPEKEAEFAPYPRMDSYEQEEDIDQIVAEVKQS
 MSSQSLDKAAEDMPEAEQDLERPPTPAGGRPDS PGLQAPAGQQRAVGPAGGGEAGQRY SKEKRDAISLAI
 KDIKEAIEEVKTRTIRSPYTPDEPKEPIWVMRQDISPTRDCDDQRPMDG DSPSGSSSPLGAESSSTSLH
 PSDPVEASTNKESRSLASFPTYVEVPGPCDPEDLIDGIIFAANYLGSTQLLSDKTPSKNVRMMQAQEAV
 SRIKMAQKLAKSRKKAPEGESQPMTEVDLFI STQRIKVLNADTQETMMDHPLRTISYIADIGNIVLMAR
 RRMPRSNSQENVEASHPSQDGKRQYKMICHVFESEDAQLIAQSIGQAFSVAYQEF LRANGINPEDLSQKE
 YSDLLNTQDMYNDL IHFSKSENCKDVFIEKQKGEILGVVIVESGWSILPTVIIANMMHG GPAEKSGKL
 NIGDQIMSINGTSLVGLPLSTCQSIIKGLKNQSRVKLNI VRCPPVTTVLIRRPDLRYQLGFSVQNGIICS
 LMRGGIAERGGVRVGHRIEINGQSVVATPHEKIVHILSNAVGEIHMKTMPAAMYRL LTAQE QPVYI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8115_c10.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001163

ORF Size: 2511 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_001163.4](#)

RefSeq Size: 6603 bp

RefSeq ORF: 2514 bp

Locus ID: 320

UniProt ID: [Q02410](#)

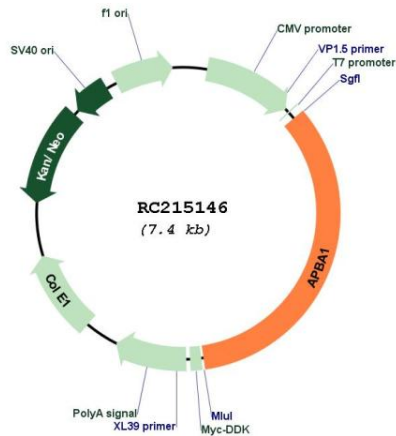
Cytogenetics: 9q21.12

Domains: PDZ, PID

MW: 92.9 kDa

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]

Product images:



Circular map for RC215146