

Product datasheet for **RN204837**

Apba2 (NM_031780) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apba2 (NM_031780) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Apba2
Synonyms:	Mint2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN204837 representing NM_031780
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCACCGCAAGCGCCAGAGCACTGCAAGCAGCATGTTGGACCACAGGGCCCGCCAGGTCCTATCC
 CCCATGACCAGGAGCCTGAGAATGAGGATACAGAACTGCCTCTGGAGAGCTATGTACCCACAGGCTGGA
 GCTAGGCACTCTGAGACCAGACAGCCCCACGCCTGAGGAACAGGAGTGCCACAACCATAGCCCTGATGGG
 GACTCCAGCTCTGACTATGTGAACAACACGTCTGAGGAGGAGGACTATGACGAGGGCCTCCCTGAGGAGG
 AGGAAGGTGTACCTACTACATCCGCTATTGTCTGAGGATGACAGCTACCTGGAGGGCATGGACTGTAA
 TGGGGAGGAGTACCTAGCCCATGGTGCACATCCTGTGGACACTGATGAGTGTGAGGAGCGGTAGAGGAC
 TGGACGGACTCAGTGGGTCTCATACTCATAGCCACGGGGCTGAAACAGCCAAGAGTATCCAGACAGCC
 ACCTGCCTATCCAGAGGATGACCCTACTGTCTGGAGGTCCATGACCAGGAAGAAGATGGCCACTACTG
 TCCAGCAAGGAGAGCTACCAGGACTATTATCCCCAGAGACCAATGGGAACACGGGTGGCGCTTCTCCC
 TATCGCATGAGGCGTGGGGATGGGGACCTAGAGGAGCAGGAGGAAGACATCGACCAGATAGTGGCTGAGA
 TCAAGATGAGCCTGAGCATGACCAGTATTACAGTGCCAGTGAGGCCAGCCCTGAGCACATGCCTGAGCT
 GGACCCTGGGGACTCCACTGAGGCTGTTCACCCAGTGACACTGGCCGTGGACCCAGTAGGCAAGAAGCG
 AGGCCCAAGTCGCTGAACCTTCCCCCTGAGGTTAAGCACTCCGGAGACCCCCAAAGAGGACTCAAGACCA
 AGACCAGGACCCAGAGGAGAGGCCAAAGTGGCCCCAAGAGCAGGTTTGCAATGGCTTGGAAACAGCCGAG
 GAAGCAGCAGCGCTCTGATCTCAATGGACCCACTGACAATAACAACATCCAGAGACAAAGAAGTGGCC
 TCGTTTCCAAGCTTTGTAGCTGTTCCAGGGCCCTGTGAGCCAGAAGACCTCATCGATGGCATCATCTTTG
 CAGCCAACTACCTGGGCTCCACCCAGCTGCTCTGTGAGCGCAACCCCTCCAAAAACATCCGAATGATGCA
 AGCTCAAGAAGCTGTGAGCAGGGTCAAGAGGATGCAGAAGGCTGCTAAGATCAAGAAAAAGCGAATTCT
 GAGGGTGATGCTCAGACACTGACAGAAGTAGACCTCTTCAATTTCTACCCAGAGGATCAAAGTCTTAAACG
 CTGACACACAGGAAACCATGATGGACCATGCCTTGCACCATCTCCTACATTGCAGACATTGGGAACAT
 CGTGGTTCTGATGGCCAGGCGCCGATGCCAGGTGAGCCTCTCAGGACTGCATCGAGACCACGCCTGGG
 GCCCAGGAAGGGAAGAAGCAGTACAAGATGATCTGTACGTGTTGAGTCAGAGGATGCCAGCTGATAG
 CCCAGTCAATTGGGCAGGCCTTCAGTGTGGCTACCAGGAGTTCCTGAGGGCCAACGGCATCAACCTGA
 GGACCTGAGCCAGAAGGAATACAGTGATATCATAAATACCCAGGAGATGTATAATGATGACCTTATCCAC
 TTCTCAAACCTCGGAGAACTGCAAGGAGCTGCAGCTGGAGAAGCACAAGGGTGAGATTTTGGGTGTGGTGG
 TCGTGGAGTCAGGCTGGGGCTCCATCCTGCCACTGTGATCCTGGCGAACATGATGAACGGCGGCCCAGC
 AGCTCGCTCGGGGAAGCTGAGCATTGGCGACCAGATCATGTCCATCAATGGCACCAGCCTGGTGGGGCTG
 CCCCTCGTACCTGCCAGGGTATCATCAAGGGCTGAAGAACCAACACAGGTAAAGCTCAACATCGTCA
 GCTGTCCCCCAGTCACCACAGTCCTCATCAACGTCCAGATCTCAAGTACCAGCTGGGTTTCAGCGTGCA
 AAATGGAATCATTTGCAGCCTCATGAGAGGGGGTATTGCAGAGCGAGGTGGTGTCCGAGTCGGCCACCGT
 ATCATCGAGATCAACGGACAGAGTGTGGTAGCCACAGCCCACGAGAAGATAGTCCAGGCTCTGTCTAACT
 CAGTTGGAGAGATTCACATGAAGACCATGCCTGCAGCCATGTTGAGGCTCCTCACAGGCCAGGAGACACC
 GCTGTACATC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_031780
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).
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:	<u>NM_031780.1</u> , <u>NP_113968.1</u>
RefSeq Size:	2755 bp
RefSeq ORF:	2253 bp
Locus ID:	83610
UniProt ID:	<u>O35431</u>
Cytogenetics:	1q22
Gene Summary:	component of multimeric complex containing component of multimeric complex containing Munc18-1 and syntaxin; binds PIP and PIP2; may mediate synaptic vesicle docking/fusion [RGD, Feb 2006]