

Product datasheet for **RC202017**

APPBP2 (NM_006380) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APPBP2 (NM_006380) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	APPBP2
Synonyms:	APP-BP2; HS.84084; PAT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC202017 representing NM_006380
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCGGTGGAAGTACTAGAGTGGATCCCAGAGACTCTCTATAACACCGCCATCTCCGCTGTCGTGGACA
 ACTACATCCGCTCCCGCGAGACATCCGCTCCTTGCCCGAGAACATCCAGTTTGATGTTTACTACAAGCT
 TTACCAACAGGGACGCTTATGTCAACTGGCGAGTGAATTTTGTGAATTGGAAGTTTTTGGCTAAAAGTACTG
 AGAGCTTTGGATAAAAAGACATTTGCTTCATCATTGTTTTTCAGGCTTTGATGGATCATGGTGTAAAGTTG
 CTTTCAGTCTTGGCTACTCATTAGTAGCGGTGCTCTTATATAGCAGAATCAGATGCTGCAGTAAAGGA
 AAAAGCCATTAGGTTGGCTTTGTTTTAGGTGGCTTTCTTTTCAGATGCAGGCTGGTACAGTGTGCTGAG
 AAAGTTTTCTGCTGCCTTCAGTTGTGTACTCTACACGATGAGATGCTTCATTGGTTTCGTGCAGTAG
 AATGTTGTGTGAGTTGCTTCATGTGCGAAATGGAACTGCAAAATCATTGGGTGAAGAAACATTTAA
 ATTAGCTCAGACATATATGGATAAACTATCAAAACATGGCCAGCAAGCAAATAAAGCTGCACTCTATGGA
 GAACTGTGTGCACTCCTATTTGCAAAAAGTCACTATGATGAGGCATACAATGGTGCATCGAGGCAATGA
 AAGAAATTACAGCAGGCTTACCAGTGAAAGTTGTGGTGGATGTCTTAAGCAAGCTTCTAAGGCTTGTGT
 AGTAAACCGTGAATTTAAGAAGGCAGAACAGTTAATTAACATGCAGTGTATTTGGCACGGGATCATTTT
 GGATCCAAACACCCAAAATATTCTGATACACTGCTAGATTATGGGTTCTACTTACTCAATGTAGATAATA
 TCTGTCAGTCTGTTGCAATTTATCAGGCAGCCCTTGACATTAGACAGTCAAGTGTGGTGGCAAAAATAT
 CCACGTAGCAACAGCTCATGAAGATTTGGCCTACTCTTCTTATGTCCACCAGTATAGCTCTGGGAAATTT
 GACAATGCACATTTTCATGCAGAAAGAGCTATTGGTATCATTACCCACATCCTACCTGAAGATCATCTTC
 TTTTGGCTTCTTCAAAGAGGGTGAAGCACTTATTTTAGAGAGATTGCAATTGATTGTGATAATAAAGGA
 AACTGAACAGAGGCTGCTTCAAGAAGCTCATGATTTGCACCTGTCTTCACTCCAACCTAGCTAAAAAGCT
 TTTGGGAATTTAATGTACAGACTGCAAAACACTATGGAACCTTGAAGACTTTATCAGTCAATGAGAA
 AATTTAAGGAAGCTGAAGAAATGCACATCAAAGCAATTCAGATTAAGAACAACCTTCTGGTCAAGAAGA
 TTATGAAGTAGCCCTTTCAGTGGGACATCTGGCTCTTTATATAATTATGACATGAATCAGTATGAAAT
 GCTGAGAACTTTATTTGCGATCTATAGCAATGGGAAGAACTTTTGGTGGGCTACAGTGGACTAG
 AATATGATTATCGAGGTCTCATTAACTTTACAACCTCATTGGAATACGAGAAAGTGTGTAATATCA
 CAATGTTCTGTCTAACTGGAACCGTTGCGAGATCGGCAATTCAGTGCAGATGCTCTTGAAGATGTC
 AGCACCAGCCCCAGTCCACTGAAGAAGTGGTGCAGTCTTCTGATTTCTCAGAATGTCGAGGGACCGA
 GCTGC

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202017 representing NM_006380
 Red=Cloning site Green=Tags(s)

MAAVELEWIPETLYNTAISAVVDNYIRSRDIRSLPENIQFDVYYKLYQQGRLCQLGSEFCELEVFQVLR
 RALDKRHLHHCFQALMDHGKVASVLAISFRRCSYIAESDAAYKEKAIQVGFVGGFLSDAGWYSDAE
 KVFLSCLQLCTLHDEMLHWFRAVECCVRLHVRNGNCKYHLGEETFKLAQTYMDKLSKHGQQAANKAALYG
 ELCALLFAKSHYDEAYKWCIAMKEITAGLPVKVVVDVLRQASKACVVKREFKAEQLIKHAVYLRDHF
 GSKHPKYSDTLLDYGFYLLNVDNICQSVAIYQAALDIRQSVFGGKNIHVATAHEDLAYSSVYVHQYSSGKF
 DNALFHAERAIGIITHILPEDHLLASSKRVKALILEEIAIDCHNKETEQRLLQEADLHLSLQLAKKA
 FGEFNVQTAKHYNLGRLYQSMRKFKEAEEMHIKAIQIKEQLLQEDYEVALSVGHLASLYNYDMNQYEN
 AEKLYLRSIAIGKFLFEGYSGLFYDYRGLIKLYNSIGNYEVKVFYHNVLSNWNRLRDRQYSVTDALD
 STSPQSTEEVVQSFLISQNVGPPSC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8112_d01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006380

ORF Size: 1755 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_006380.5](#)

RefSeq Size: 6468 bp

RefSeq ORF: 1758 bp

Locus ID: 10513

UniProt ID: [Q92624](#)

Cytogenetics: 17q23.2

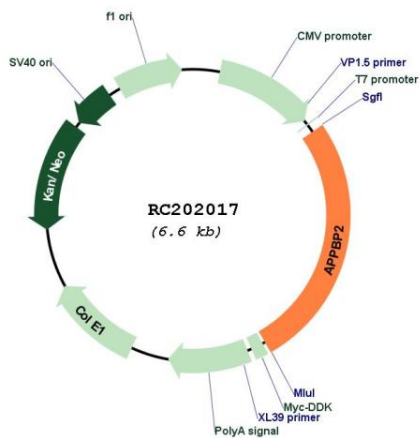
Domains: TPR

Protein Families: Druggable Genome

MW: 66.7 kDa

Gene Summary: The protein encoded by this gene interacts with microtubules and is functionally associated with beta-amyloid precursor protein transport and/or processing. The beta-amyloid precursor protein is a cell surface protein with signal-transducing properties, and it is thought to play a role in the pathogenesis of Alzheimer's disease. The encoded protein may be involved in regulating cell death. This gene has been found to be highly expressed in breast cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

Product images:



Circular map for RC202017