

## Product datasheet for **RG238658**

### APPBP2 (NM\_001282476) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	APPBP2 (NM_001282476) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	APPBP2
Synonyms:	APP-BP2; HS.84084; PAT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG238658 representing NM\_001282476.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTTACTACAAGACATTTGCTTCATCATTGTTTTTCAGGCTTTGATGGATCATGGTGTAAAGTTGCT
TCAGTCTTGGCCACTCATTTCAGTAGGGCGTCTTATATAGCAGAATCAGATGCTGCAGTAAAGGAA
AAAGCCATTTCAGTTGGCTTTGTTTTAGGTGGCTTTCTTTTCAGATGCAGGCTGGTACAGTATGCTGAG
AAAGTTTTTCTGTCTGCCTTCAGTTGTGTACTCTACACGATGAGATGCTTCATTGGTTTCGTGCAGTA
GAATGTTGTGTGAGGTTGCTTCATGTGCGAAATGGAAACTGCAAATATCATTGGGTGAAGAAACATTT
AAATTAGCTCAGACATATATGGATAAACTATCAAAACATGGCCAGCAAGCAAATAAAGCTGCACTCTAT
GGAGAAGTGTGTGCACTCTATTTGCAAAAAGTCACTATGATGAGGCATACAAATGGTGCATCGAGGCA
ATGAAAGAAATTACAGCAGGCTTACCAGTGAAAGTTGGTGGATGTCTTAAGACAAGCTTCTAAGGCT
TGTGTAGTAAAACGTGAATTTAAGAAGGCAGAACAGTTAATTAACATGCAGTGTATTTGGCAGGGAT
CATTTTGGATCCAAACACCCAAAATATTCTGATACACTGCTAGATTATGGTTCTACTTACTCAATGTA
GATAATATCTGTAGTCTGTTGCAATTTATCAGGCAGCCCTTGACATTAGACAGTCAAGTGTGGTGGC
AAAAATATCCACGTAGCAACAGCTCATGAAGATTTGGCCTACTCTTCTTATGTCCACCAGTATAGCTCT
GGGAAATTTGACAATGCACTATTTTCATGCGAAAGAGCTATTGGTATCATTACCCACATCTACCTGAA
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CATAATAAGGAAACTGAACAGAGGCTGCTTCAAGAAGCTCATGATTTGCACCTGTCTTCACTCCAATA
GCTAAAAAGCTTTTGGGAATTTAATGTACAGACTGCAAAACTATGGAAACCTTGAAGACTTTAT
CAGTCAATGAGAAAATTAAGGAAGCTGAAGAAATGCACATCAAAGCAATTCAGATTAAGAACAACCTT
CTTGGTCAAGAAGATTATGAAGTAGCCCTTTCAGTGGGACATCTGGCTTCTTTATATAATTATGACATG
AATCAGTATGAAAATGCTGAGAAAATTTATTTGCGATCTATAGCAATTGGGAAGAAAATTTTGGTGG
GGCTACAGTGGACTAGAATATGATTATCGAGGCTCATTAACTTTACAACCTCCATTGGAATTACGAG
AAAGTGTTTGAATATCACAATGTTCTGTCTAACTGGAACCGGTTGCGAGATCGGCAATATTCAGTGACA
GATGCTCTTGAAGATGTCAGCACCAGCCCCAGTCCACTGAAGAAGTGGTGCAGTCTTCTGATTCT
CAGAAATGTCGAGGGACCGAGCTGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```

**Protein Sequence:**

>Peptide sequence encoded by RG238658  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MFTTRHLLHHC FQALMDHGVKVASVLAYSFSRRCSYIAESDAVKEKAIQVGFVLGGFLSDAGWYSDAE
KVFLSCLQLCTLHDEMLHWFRAVECCVRLHLVRNGNCKYHLGEEFKLAQTYMDKLSKHGQQAANKAALY
GELCALLFAKSHYDEAYKWCIEAMKEITAGLPVKVVVDVLRQASKACVVKREFKKAQELIKHAVYLARD
HFGSKHPKYSDTLLDYGFYLLNVDNICQSVAIYQAALDIRQSVFGGKNIHVATAHEDLAYSSVHQYSS
GKFDNALFHAERAIGIITHILPEDHLLASSKRVKALILEEIAIDCHNKETEQRLLQEADLHLSLQL
AKKAFGEFNVQTAHYGNLGRLYQSMRFKEAEEMHIKAIQIKEQLLGQEDYEVALSVGHASLYNYDM
NQYENAEKLYLRSIAIGKFLFEGYSGLEYDYRGLIKLYNSIGNYEKVFYHNVLSNWNRLRDRQYSVT
DALEDVSTSPQSTEEVQSFLISQNVGEPSC
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
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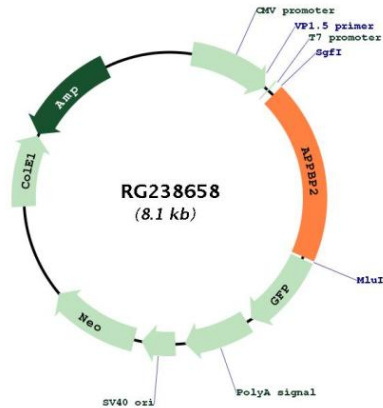
**Restriction Sites:**

Sgfl-Mlul



**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 RG238658