

## Product datasheet for **RG211011**

### **FBP17 (FNBP1) (NM\_015033) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                                  |
|---------------------------|--------------------------------------------------|
| Product Type:             | Expression Plasmids                              |
| Product Name:             | FBP17 (FNBP1) (NM_015033) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                         |
| Symbol:                   | FBP17                                            |
| Synonyms:                 | FBP17                                            |
| Mammalian Cell Selection: | Neomycin                                         |
| Vector:                   | pCMV6-AC-GFP (PS100010)                          |
| E. coli Selection:        | Ampicillin (100 ug/mL)                           |



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**ORF Nucleotide Sequence:**

>RG211011 representing NM\_015033  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**C

ATGAGCTGGGGCACCGAGCTCTGGGATCAGTTTGACAACCTAGAAAAACACACAGTGGGAATTGATA  
 TTCTTGAGAAATATATCAAGTTTGTGAAAGAAAGGACAGAGATTGAAGTCACTATGCAAGCAACTCAG  
 GAATCTTTCAAAGAAGTACCAACCTAAAAAGAACTCGAAGGAGGAAGAAGAATACAAGTATACGTCATGT  
 AAAGCTTTCATTCCAACCTGAACGAAATGAATGATTACGACAGGCGAGCATGAAGTTATCTCCGAGAACA  
 TGGCATCACAGATCATTGTGGACTTGGCAGCTATGTTAGGAACTGAAACAGGAGAGGAAATCAAACCTT  
 TCACGATGGCCGTAAAGCACAGCAGCACATCGAGACTTGTGGAAGCAGCTTGAATCTAGTAAAAGGCGA  
 TTTGAACGCGATTGCAAGAGGCGGACAGGGCGCAGCAGTACTTTGAGAAATGGACGCTGACATCAATG  
 TCACAAAAGCGGATGTTGAAAAGGCCGACAACAAGCTCAAATACGTACCAAATGGCAGAGGACAGCAA  
 AGCAGATTACTCATCCATTCTCCAGAAATCAACCATGAGCAGCATGAATATTACCATCTCACATCCCC  
 AACATCTTCCAGAAAATACAAGAGATGGAGGAAAGGAGGATTGTGAGAATGGGAGAGTCCATGAAGACAT  
 ATGCAGAGGTTGATCGGCAGGTGATCCCAATCATTGGGAAGTGCCTGGATGGAATAGTAAAAGCAGCCGA  
 ATCAATTGATCAGAAAAATGATTCACAGCTGGTAATAGAAGCTTATAAATCAGGGTTTGAGCCTCCTGGA  
 GACATTGAATTTGAGGATTACACTCAGCCAATGAAGCGCACTGTGTGAGATAACAGCCTTCAAATTCCA  
 GAGGAGAAGGCAAACAGACCTCAAATTTGGTGGCAATCCAAAGGAAAGTTATGGCCGTTATCAAAAA  
 AAATAAGCTTATGTCCTTTTAAACATCCCCCATCAGCCTCCCCCTCCCCCTCCTGCCTCGCCTCACCC  
 TCTGCTGTTCCCAACGGCCCCAGTCTCCCAAGCAGCAAAAGGAACCCCTCTCCACCGCTTCAACGAGT  
 TCATGACCTCCAAACCCAAAATCCACTGCTTCAGGAGCCTAAAGCGTGGGCTTTCTCTCAAGCTGGGTGC  
 AACACCGGAGGATTTTACGCAACCTCCCACCTGAACAAAGAAGGAAAAAGCTGCAGCAGAAAAGTCGATGAG  
 TTAATAAAGAAATTCAGAAGGAGATGGATCAAAGAGATGCCATAACAAAAATGAAAGATGTCTACCTAA  
 AGAATCCTCAGATGGGAGACCCAGCCAGTTTGGATCACAAATTAGCAGAAGTCAGCCAAAATATAGAGAA  
 ACTGCGAGTAGAGACCCAGAAATTTGAGGCTGGCTGGCTGAGGTTGAAGGCCGGCTCCAGCACGACGAGC  
 GAGCAGGCGCGCCGCGCAGAGCGGACTGTACGACAGCCAGAACCCACCCACAGTCAACAACTGCGCCGAGG  
 ACCGTGAGAGCCAGATGGCAGTTACACAGAGGAGCAGAGTCAGGAGAGTGAGATGAAGGTGCTGCCAC  
 GGATTTTGACGACGAGTTTGTATGATGAGGAGCCCTCCCTGCCATAGGGACGTGCAAAGCTCTCTACACA  
 TTTGAAGTTCAGAAATGAAGGAACGATTTCCGTAGTTGAAGGAGAAACATTGTATGTCATAGAGGAAGACA  
 AAGGCGATGGCTGGACCCGATTCGGAGAAATGAAGATGAAGAGGTTATGTCCCACTTCATATGTCGA  
 AGTCTGTTTGACAAAAATGCCAAAGATTCC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG211011 representing NM\_015033  
 Red=Cloning site Green=Tags(s)

MSWGTELWDQFDNLEKHTQWIDILEKYIKFVKERTEIELSYAKQLRNL SKKYQPKKNSKEEEEYKYTSC  
 KAFISNLEMNNDYAGQHEVISENMAISQIIVDLARYVQELKQERKSNFHDGRKAQQHIETCWKQLESSKRR  
 FERDCKEADRAQQYFEKMDADINVTKADVEKARQQAQIRHQMAEDSKADYSSILQKFNHEQHEYYHTHIP  
 NIFQKIQEMEERRIVRMGESMKTYAEVDRQVIPIIGKCLDGIVKAAESIDQKNDSQLVIEAYKSGFEPPG  
 DIEFEDYTQPMKRTVSDNSLSNRGEGKPD LFGGKSKGKLWPF IKKNKLSLLTSPHQPPPPPPASASP  
 SAVPNGPQSPKQKEPLSHRFNEFMTSKPKIHCFRSLKRGLSLKL GATPEDFSNLPPEQRRKKLQKQVDE  
 LNKEIQKEMDQRDAITKMKDVYLKNPQMGDPASLDHKLAEVSNIEKLRVETQKFEAWLAIEVEGRLPARS  
 EQARRQSGLYDSQNPPTVNNCAQDRES PDGSYTEEQSQSEMKVLATDFDDEFDDEEPLPAIGTKCALYT  
 FEGQNEGTISVVEGETLYVIEEDKGDGWRIRRNEDEEGYVPTS YVEVCLDKNAKDS

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_015033

**ORF Size:** 1851 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_015033.1](#)

**RefSeq Size:** 5457 bp

**RefSeq ORF:** 1854 bp

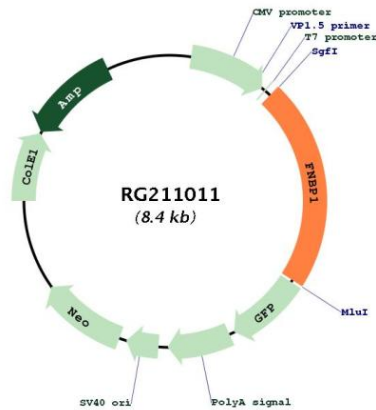
**Locus ID:** 23048

UniProt ID: Q96RU3

Cytogenetics: 9q34.11

**Gene Summary:** The protein encoded by this gene is a member of the formin-binding-protein family. The protein contains an N-terminal Fer/Cdc42-interacting protein 4 (CIP4) homology (FCH) domain followed by a coiled-coil domain, a proline-rich motif, a second coiled-coil domain, a Rho family protein-binding domain (RBD), and a C-terminal SH3 domain. This protein binds sorting nexin 2 (SNX2), tankyrase (TNKS), and dynamin; an interaction between this protein and formin has not been demonstrated yet in human. [provided by RefSeq, Jul 2008]

## Product images:



Circular map for RG211011