

Product datasheet for **RC211011**

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:	Myc-DDK
Symbol:	FBP17
Synonyms:	FBP17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC211011 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCTGGGGCACCGAGCTCTGGGATCAGTTTGACAACCTAGAAAAACACACACAGTGGGGAATTGATA
 TTCTTGAGAAATATATCAAGTTTGTGAAAGAAAGGACAGAGATTGAACTCAGCTATGCAAAGCAACTCAG
 GAATCTTTCAAAGAAGTACCAACCTAAAAAGAACTCGAAGGAGGAAGAAGATACAAGTATACGTATCGTATGT
 AAAGCTTTCATTTCCAACCTGAACGAAATGAATGATTACGCAGGGCAGCATGAAGTTATCTCCGAGAACA
 TGGCATCACAGATCATTGTGGACTTGGCAGCTATGTTCAAGAACTGAAACAGGAGAGGAAATCAAACCT
 TCACGATGGCCGTAAGCACAGCAGCACATCGAGACTTGTGGAAGCAGCTTGAATCTAGTAAAAGGCGA
 TTTGAACGCGATTGCAAAGAGGCGGACAGGGCGCAGCAGTACTTTGAGAAAATGGACGCTGACATCAATG
 TCACAAAAGCGGATGTTAAAAGGCCGACAACAAGCTCAAATACGTACCAAATGGCAGAGGACAGCAA
 AGCAGATTACTCATCCATTCTCCAGAAATCAACCATGAGCAGCATGAATATTACCATACTCACATCCCC
 AACATCTTCCAGAAAATACAAGAGATGGAGGAAAGGAGGATTGTGAGAATGGGAGAGTCCATGAAGACAT
 ATGCAGAGGTTGATCGGCAGGTGATCCCAATCATTGGGAAGTGCCTGGATGGAATAGTAAAAGCAGCCGA
 ATCAATTGATCAGAAAAATGATTCACAGCTGGTAAATAGAAGCTTATAAATCAGGGTTTGAGCCTCCTGGA
 GACATTGAATTTGAGGATTACACTCAGCCAATGAAGCGCACTGTGTGAGTAAACAGCCTTCAAATTTCCA
 GAGGAGAAGGCAAACCAGACCTCAAATTTGGTGGCAAATCCAAAGGAAAGTTATGGCCGTTCAAAAA
 AAATAAGCTTATGTCCCTTTTAAACATCCCCCATCAGCCTCCCCCTCCCCCTCCTGCCTCGCCTCACCC
 TCTGCTGTTCCCAACGGCCCCAGTCTCCAAGCAGCAAAAGGAACCCCTCTCCACCCGCTTCAACGAGT
 TCATGACCTCAAACCCAAAATCCACTGCTTCAGGAGCCTAAAGCGTGGGCTTTCTCTCAAGCTGGGTGC
 AACACCCGGAGGATTTTCAGCAACCTCCCACCTGAACAAAGAAGGAAAAAGCTGCAGCAGAAAAGTTCGATGAG
 TTAATAAAGAAATTCAGAAGGAGATGGATCAAAGAGATGCCATAACAAAATGAAAAGTGTCTACCTAA
 AGAATCCTCAGATGGGAGACCCAGCCAGTTTGGATCACAATTAGCAGAAGTCAAGCAAAATATAGAGAA
 ACTGCGAGTAGAGACCCAGAAAATTTGAGGCCTGGCTGGCTGAGGTTGAAGGCCGGCTCCCAGCACGAGC
 GAGCAGGCGCGCCGCGCAGAGCGGACTGTACGACAGCCAGAACCACCCACAGTCAACAACGCGCCAGG
 ACCGTGAGAGCCAGATGGCAGTTACACAGAGGAGCAGAGTCAGGAGAGTGAAGGTGCTGGCCAC
 GGATTTTGACGACGAGTTTGTGATGAGGAGCCCTCCCTGCCATAGGGACGTGCAAAGCTCTCTACACA
 TTTGAAGGTCAGAATGAAGGAACGATTTCCGTAGTTGAAGGAGAAACATTGTATGTCATAGAGGAAGACA
 AAGGCGATGGCTGGACCCGATTCGGAGAAATGAAGATGAAGAGGTTATGTCCCACTCATATGTCGA
 AGTCTGTTGGACAAAATGCCAAAGATTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC211011 protein sequence
 Red=Cloning site Green=Tags(s)

MSWGTTELWDQFDNLEKHTQWIDILEKYIKFVKERTEIELSYAKQLRNL SKKYQPKKNSKEEEEYKYTSC
 KAFISNLEMNNDYAGQHEVISENMA SQIIVDLARYVQELKQERKSNFHDGRKAQQHIETCWKQLESSKRR
 FERDCKEADRAQQYFEKMDADINVTKADVEKARQQAQIRHQMAEDSKADYSSILQKFNHEQHEYYHTHIP
 NIFQKIQEMEERRIVRMGESMKTYAEVDRQVIPIIGKCLDGIKAAESIDQKNDSQLVIEAYKSGFEPPG
 DIEFEDYTQPMKRTVSDNSL SNSRGEKPD LKFGGKSKGKLWPF IKKNKLM SLLTSPHQPPPPPPASASP
 SAVPNGPQSPKQKEPLSHRFNEFMTSKPKIHCFRSLKRLSLKLGATPEDFSNLPPEQRRKLLQKQVDE
 LNKEIQKEMDQRDAITKMKDVYLKNPQMGPASLDHKLAEVSNIEKLRVETQKFEAWLAEVEGRLPARS
 EQARRQSGLYDSQNPPTVNNCAQDRESPDGSYTEEQSQESEMKVLATDFDDEFDDEEPLPAIGTKCALYT
 FEGQNEGTISVVEGETLYVIEEDKGDGWTRIRRNEDEEGYVPTS YVEVCLDKNAKDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6728_c01.zip

Restriction Sites: SgfI-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.

RefSeq: [NM_015033.1](#)

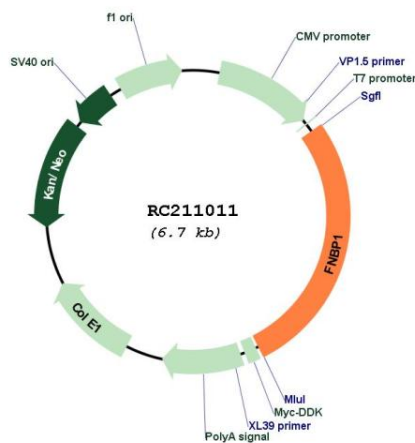
RefSeq Size: 5457 bp

RefSeq ORF: 1854 bp

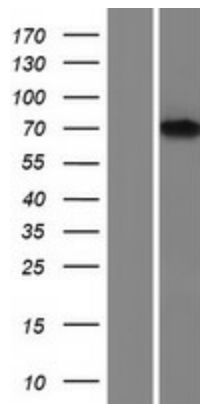
Locus ID: 23048
UniProt ID: [Q96RU3](#)
Cytogenetics: 9q34.11
MW: 71.3 kDa

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]

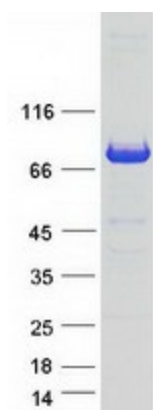
Product images:



Circular map for RC211011



Western blot validation of overexpression lysate (Cat# [LY414836]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211011 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FNBP1 protein (Cat# [TP311011]). The protein was produced from HEK293T cells transfected with FNBP1 cDNA clone (Cat# RC211011) using MegaTran 2.0 (Cat# [TT210002]).