

Product datasheet for **RG228495**

FNBPIIL (NM_001164473) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	FNBPIIL
Synonyms:	C1orf39; TOCA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG228495 representing NM_001164473
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGCTGGGCGACGGAGCTGTGGATCAGTTCGACAGCTTAGACAAGCATACACAATGGGAATTGACT
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

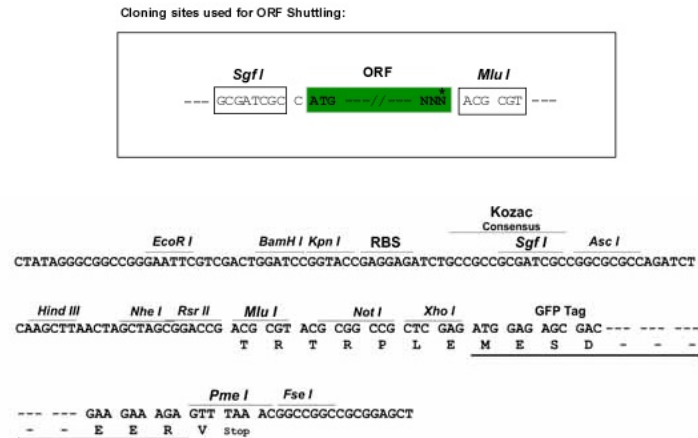
Protein Sequence: >RG228495 representing NM_001164473
 Red=Cloning site Green=Tags(s)

MSWGTELWDQFDSLKHQWIDFLERYAKFVKERIEIEQNYAKQLRNLVKKYCPKRSSKDEEPRFTSCV
 AFFNINLNDYAGQREVVAEEMAHRYVYGELMRYAHLKTERKMHLEGRKAQQYLDMCWQMDNSKKKF
 ERECREAEKAQQSYERLNDNTNATKADVEKAKQQLNRTHMADENKNEYAAQLQNFNGEQHKHFYVVIPQ
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 FPFEDYSQHIYRTISDGTISASKQESGKMDAKTTVGKAKGKLWLFGKKPKQSPPLTPTSLFTSSTPNGS
 QFLTFSIEPVHYCMNEIKTGKPRIPSFRLKRGWSVKMGPALDFSHLPPEQRRKKLQQRIDELNRELQK
 ESDQKDALNKMVDYKPNQMGDPGSLQPKLAETMNNIDRLRMEIHKNEAWLSEVEGKTGGRGDRRHSSD
 INHLVTQGRESPEGSYDDANQEVRRPQQHGHNEFDDEFDDPLPAIGHCKAIYFPDGHNEGLAMK
 EGEVLYIIEEDKGDGWRARRQNGEEGYVPTSYIDVTLEKNSKGS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001164473

ORF Size: 1815 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.

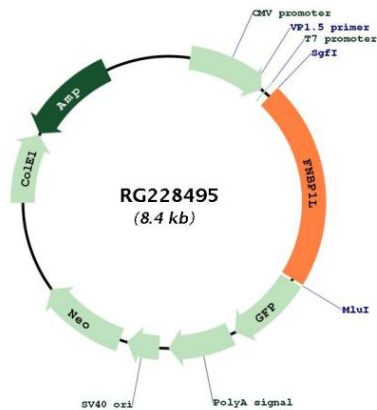
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001164473.2](#)

RefSeq Size:	4091 bp
RefSeq ORF:	1818 bp
Locus ID:	54874
UniProt ID:	<u>Q5T0N5</u>
Cytogenetics:	1p22.1

Gene Summary: The protein encoded by this gene binds to both CDC42 and N-WASP. This protein promotes CDC42-induced actin polymerization by activating the N-WASP-WIP complex and, therefore, is involved in a pathway that links cell surface signals to the actin cytoskeleton. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG228495