

## **Product datasheet for RG220519**

# FARP1 (NM 001001715) Human Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** FARP1 (NM\_001001715) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: FARP1

**Synonyms:** CDEP; FARP1-IT1; PLEKHC2; PPP1R75

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG220519 representing NM\_001001715
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGGAGAAATAGAGCAGAGGCCGACCCCAGGATCACGACTGGGGGCCCCGGAAAATTCGGGGATCAGTA CCTTGGAACGTGGACAGAAGCCGCCCCAACACCTTCAGGAAAACTCGTGTCCATCAAAAATCCAGATGCT GGATGACACCCAGGAGGCATTTGAAGTTCCAATGGTGTCCTCATCCTCCTCAAAAGCCATCGGCTCC TCCTGGACGGGTTGGGTACTGAGATGCTCCATGAAGCCCAAGCACCATTCACATCTAATTGAGAAGTTTG GAGAGGACAGAATTCTCACTCATCTTACAGGCTCTATTTCTTACACAAACTGGGCTGGAAGTAGAAGCTT

AGCGGTCACAGTCACTGAAGAGCTTCTTAATCTTTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG220519 representing NM\_001001715

Red=Cloning site Green=Tags(s)

MGEIEQRPTPGSRLGAPENSGISTLERGQKPPPTPSGKLVSIKIQMLDDTQEAFEVPMVSSSSFLKAIGS

SWTGWVLRCSMKPKHHSHLIEKFGEDRILTHLTGSISYTNWAGSRSLAVTVTEELLNLF

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul



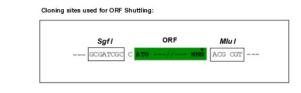
**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

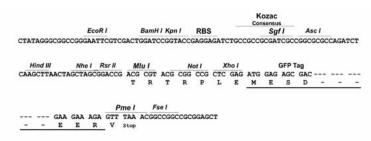
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

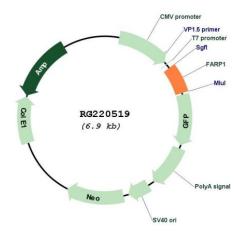


#### **Cloning Scheme:**





### Plasmid Map:



**ACCN:** NM\_001001715

ORF Size: 387 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



## **FARP1 (NM\_001001715) Human Tagged ORF Clone - RG220519**

**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: <u>NM 001001715.1</u>, <u>NP 001001715.1</u>

 RefSeq Size:
 1337 bp

 RefSeq ORF:
 390 bp

 Locus ID:
 10160

 UniProt ID:
 Q9Y4F1

 Cytogenetics:
 13q32.2

**Gene Summary:** This gene encodes a protein containing a FERM (4.2, exrin, radixin, moesin) domain, a Dbl

homology domain, and two pleckstrin homology domains. These domains are found in guanine nucleotide exchange factors and proteins that link the cytoskeleton to the cell membrane. The encoded protein functions in neurons to promote dendritic growth.

Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2013]