

## 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 Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG220519 representing NM\_001001715  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGAGAAATAGAGCAGAGGCCGACCCAGGATCACGACTGGGGCCCCGGAAAATTCGGGGATCAGTA  
CCTTGGAACGTGGACAGAAGCCGCCCAACACCTTCAGGAAAACCTGTGCCATCAAATCCAGATGCT  
GGATGACACCCAGGAGGCATTTGAAGTTCCAATGGTGTCTCCTCCTCCTCAAAGCCATCGGCTCC  
TCCTGGACGGTTGGGTACTGAGATGCTCCATGAAGCCCAAGCACCATTACATCTAATTGAGAAGTTTG  
GAGAGGACAGAATTCTCACTCATCTTACAGGCTCTATTTCTTACACAACTGGGCTGGAAGTAGAAGCTT  
AGCGGTCACAGTCACTGAAGAGCTTCTTAATCTTTTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG220519 representing NM\_001001715  
**Red**=Cloning site **Green**=Tags(s)  
MGEIEQRPTPGSRLGAPENSGISTLERGQKPPPTPSGKLVSIKIQLDDTQEAFEVPMVSSSSFLKAIGS  
SWGWLRCMKPKHSHLIEKFGEDRILTHLTGSISYTNWAGSRSLAVTVTEELLNLF

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001001715.1</a></u> , <u><a href="#">NP_001001715.1</a></u>
<b>RefSeq Size:</b>	1337 bp
<b>RefSeq ORF:</b>	390 bp
<b>Locus ID:</b>	10160
<b>UniProt ID:</b>	<u><a href="#">Q9Y4F1</a></u>
<b>Cytogenetics:</b>	13q32.2
<b>Gene Summary:</b>	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]