

Product datasheet for RC220519

FARP1 (NM_001001715) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FARP1 (NM_001001715) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: FARP1
Synonyms: CDEP; FARP1-IT1; PLEKHC2; PPP1R75
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC220519 representing NM_001001715
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGAGAAATAGAGCAGAGGCCGACCCAGGATCACGACTGGGGCCCCGAAAATTCGGGGATCAGTA
CCTTGGAACGTGGACAGAAGCCGCCCAACACCTTCAGGAAACTCGTGTCCATCAAAATCCAGATGCT
GGATGACACCCAGGAGGCATTTGAAGTTCCAATGGTGTCTCATCCTCCTCCTCAAAGCCACGGCTCC
TCCTGGACGGTTGGGTACTGAGATGCTCCATGAAGCCCAAGCACCATTACATCTAATTGAGAAGTTTG
GAGAGGACAGAATTCTCACTCATCTTACAGGCTCTATTTCTTACACAACTGGGCTGGAAGTAGAAGCTT
AGCGGTCACAGTCACTGAAGAGCTTCTTAATCTTTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC220519 representing NM_001001715
Red=Cloning site Green=Tags(s)

MGEIEQRPTPGSRLGAPENSGISTLERGQKPPPTPSGKLVSIKIQLDDTQEAFEVPMVSSSSFLKATGS
SWTGWVLRCSMKPKHSHLIEKFGEDRILTHLTGSISYTNWAGSRSLAVTVTEELLNLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8042_a06.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


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](#)

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_001001715.4](#)

RefSeq Size: 1337 bp

RefSeq ORF: 390 bp

Locus ID: 10160

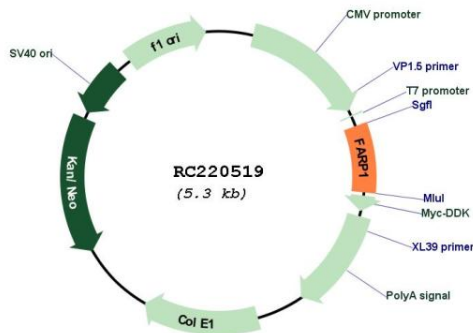
UniProt ID: [Q9Y4F1](#)

Cytogenetics: 13q32.2

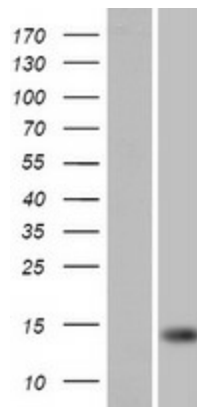
MW: 14 kDa

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]

Product images:



Circular map for RC220519



Western blot validation of overexpression lysate (Cat# [LY424219]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220519 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).