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Product datasheet for RC239943

FARP1 (NM_001286839) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FARP1 (NM_001286839) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FARP1
Synonyms:	CDEP; FARP1-IT1; PLEKHC2; PPP1R75
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC239943 representing NM_001286839 Red=Cloning site Blue=ORF Green=Tags(s)

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GCCGCGATCGCC

ATGGGAGAAATAGAGCAGAGGCCGACCCCAGGATCACGACTGGGGGCCCCGGAAAATTCGGGGATCAGTA
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GCCCGCTGCTGAATGACCAGGCCTGCCCCCGGACGGACGATGAGGATGAGGGCCGGAGGAAGAGATTCCC
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Protein Sequence:

>RC239943 representing NM_001286839
Red=Cloning site Green=Tags(s)

MGEIEQRPTPGSRLGAPENSGISTLERGQKPPPTPSGKLVSIKIQMLDDTQEAFEVPQRAPGKVLLDAVC
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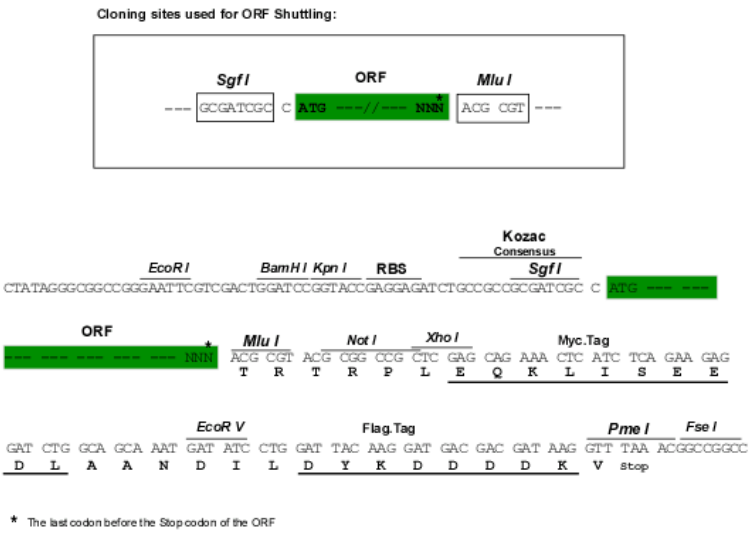
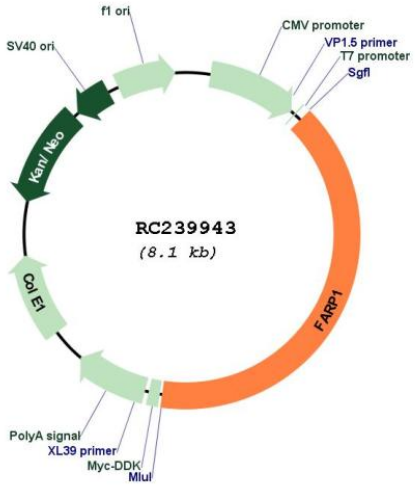
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001286839
ORF Size:	3228 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_001286839.2
RefSeq Size:	4936 bp
RefSeq ORF:	3231 bp
Locus ID:	10160
UniProt ID:	Q9Y4F1
Cytogenetics:	13q32.2
MW:	122.5 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]