

Product datasheet for RC208329

FARP1 (NM_005766) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FARP1 (NM_005766) 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:	>RC208329 representing NM_005766 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGAGAAATAGAGCAGAGGCCGACCCAGGATCAGACTGGGGCCCCGAAAATTTCGGGGATCAGTACCTTGGAACTGGACAGAAGCCGCCCAACACCTTCAGGAAAACCTCGTGTCCATCAAAAATCCAGATGCTGGATGACACCCAGGAGGCATTTGAAGTTCACAAAGAGCTCCTGGGAAGGTGCTGCTGGATGCAGTTTGC AACCACCTCAACCTCGTGAAGGTGACTATTTTGGCCTCGAGTTTCTGTATCACAAAAAGATCACGGTGTGGCTGGATCTCCTAAAACCCATTGTGAAACAGATTAGAAGGCCAAAGCACGTTGTTGTTAAGTTTGTGGT GAAATTCTTCCGCTGACCACACAACTCCAAGAAGAACTCACAAAGGTACCTGTTTCGCGCTGCAGGTG AAGCAGGACTTGGCTCAAGGCAGGTTGACGTGTAATGACACCAGCGCAGCTCTCTTGATTTACACATTG TGCAATCTGAGATTGGGGATTTGATGAAGCCTTGGACAGAGAGCACTTAGCAAAAAATAATACATACC TCAGCAAGACGCACTAGAGGACAAAATCGTGAATTTACCATAACCACATTGGACAAACACCAGCAGAA TCAGATTTCCAGCTCCTAGAGATTGCCCGTGGCTAGAGATGTATGGAATCCGGTTGCACCCGGCCAAGG ACAGGGAAGGCACGAAGATCAATCTGGCGTTGCCAACCGGGAATTCAGTGTTCAGGGTTTCACTAA GATCAATGCCTTCAACTGGGCCAAGGTGCGGAAGCTGAGCTTCAAGAGGAAGCGCTTCTCATCAAGCTC CGGCCAGATGCCAATAGTGCGTACCAGGATACCTTGAATTCCTGATGGCCAGTCGGGATTTCTGCAAGT CCTTCTGGAAAATCTGTGTTGAACATCATGCCTCTTTAGACTTTTTGAAGAGCCCAAACCAAAGCCCAA GCCCGTCTCTTTAGCCGGGGTTCATCATTTTCGGTTCAGTGGTCCGACTCAGAAGCAGGTTCTCGACTAT GTTAAAGAAGGAGGACATAAGAAGGTGCAGTTTAAAAGGAAGCACAGCAAGATTCATTCTATCCGGAGCC TTGCTTACAGCCTACAGAACTGAATTCGGAAGTGTGGAGCAGTCTCAGCAGAGCACCAGCCTTACATT TGGAGAAGGTGCCGAATCTCCAGGGGCCAGAGCTGCCGGCAGGAAAGGAACCGAAGGTTCCGCCGGG GAGCCGGGGTTCGACCCGAGCCCTGCGCCGAGGAGAAGCCCCGGGTAAACAAGCAGGCGGACGGAGCCG CCTCGGCCCCACGGAGGAAGAGGAGGAGTTCGTTAAGGATAGGACCCAGCAGAGTAAACCTCAGCCCC GCAGCCAAGCACAGGCTCCCTGACTGGCAGTCTCACCTTCCGAGCTGTCTGTAACTCGCAGGGGGGA GTGGCCCTGCCAACGTGACCTTGCTCCCAACCTGAGCCCCGACCAAGCAGGCTCTCCCTTGATCA



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GCCCCGCTGCTGAATGACCAGGCCTGCCCCCGACGGACGATGAGGATGAGGGCCGGAGGAAGAGATTCCC
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Protein Sequence:

>RC208329 representing NM_005766
 Red=Cloning site Green=Tags(s)

MGEIEQRTPGSRLGAPENSGISTLERGQKPPPTPSGKLVSIKIQLDDTQEAFEVPPQAPGKVLDDAVC
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 RSEMEKWVEDIQMAIDLAEKSSSPAPEFLASSPPDNKSPDEATAADQESEDLLASRTSLERQAPHRGNT
 MVHVCWHRNTSVSMVDFSI AVENQLSGNLLRKFKNSNGWQKLWVVFNFCLFFYKSHQDNHPLASLPLLG
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Chromatograms:

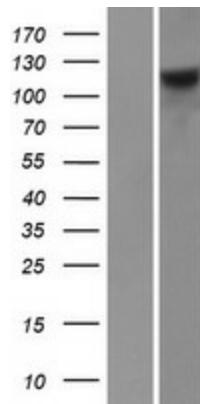
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Restriction Sites:

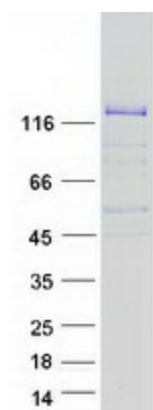
Sgfl-MluI

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:	<ol style="list-style-type: none">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_005766.1
RefSeq Size:	5028 bp
RefSeq ORF:	3138 bp
Locus ID:	10160
UniProt ID:	Q9Y4F1
Cytogenetics:	13q32.2
Domains:	RhoGEF, B41, PH
MW:	118.5 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]

Product images:



Western blot validation of overexpression lysate (Cat# [LY417090]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208329 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FARP1 protein (Cat# [TP308329]). The protein was produced from HEK293T cells transfected with FARP1 cDNA clone (Cat# RC208329) using MegaTran 2.0 (Cat# [TT210002]).