

Product datasheet for SC116517

FARP1 (NM_005766) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FARP1 (NM_005766) Human Untagged Clone
Tag:	Tag Free
Symbol:	FARP1
Synonyms:	CDEP; FARP1-IT1; PLEKHC2; PPP1R75
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116517 sequence for NM_005766 edited (data generated by NextGen Sequencing)

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ATGGGAGAAATAGAGCAGAGGCCACCCAGGATCACGACTGGGGCCCCGGAAAATTCG
GGGATCAGTACCTTGGAACGTGGACAGAAGCCGCCCAACACCTTCAGGAAAATCGTG
TCCATCAAAATCCAGATGCTGGATGACACCCAGGAGCATTGAAAGTTCCACAAAGAGCT
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TTTGGCCTCGAGTTTCTGATCAGAAAAGATCACGGTGTGGCTGGATCTCTAAACCC
ATTGTGAAACAGATTAGAAGCCAAAGCACGTTGTTGTTAAGTTTGTGGTGAATTTCTT
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AAGCAGGACTTGGCTCAAGGCAGGTTGACGTGTAATGACACCAGCGCAGCTCTCTGATT
TCACACATTGTGCAATCTGAGATTGGGGATTTTGTGAAGCCTTGACAGAGAGCACTTA
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AACCTGAGCCCCGACACCAAGCAGGCCTCTCCCTTGATCAGCCCCTGCTGAATGACCAG
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GCGTACTTCATAGCTAAGGAAGTGTCTACCACCGAGCGAACATATCTGAAGGATCTCGAA
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ATGGAAGTATCCGAGTGCCACCAGCTCTGCCTCGCGACCCACGTGTTGAGTCACAAA
GAGTCTTGTGTATTGA
    
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Clone variation with respect to NM_005766.2
1930 c=>t

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_005766 unedited
NNTTGTCAANAATTTGTATACGACTCACTATAGGCGGCCGCGAATTCGCACGAGGCCTCAG
CCGGCCACCGCCAGCCCTGCTCGCGCGCCCGCCGCGCCCGCCGGGTATTAATAGC
CGGCGCCCGCCGCCCTCGGCCCGGGGGCTTGGGAGCCCGGATCCCGGAGCCCGAGC
CGGGAGAGGGAGCCCGCCAGCCCGGGCGCTGTGGAGATATTCTAAGCCGTTTCAT
CATGGGAGAAATAGAGCAGAGGCCGACCCAGGATCACGACTGGGGGCCCGGAAATTC
GGGGATCAGTACCTTGGAACGTGGACAGAAGCCGCCCCCAACACCTTCAGGAAAACCTCGT
GTCCATCAAAATCCAGATGCTGGATGACACCCAGGAGGCAATTTGAAGTTCACAAAGAGC
TCTTGGGAAGGTGCTGCTGGATGCAAGTTTGAACCACTCAACCTCGTGGAAAGGTGACTA
TTTTGGCTCGAGTTTCTGATCACAAAAGATCACGGTGTGGCTGGATCTCCTAAAACC
CATTGTGAAACAGATTAGAAGGCCAAAGCACGGTTTGTGTTAAGTTTGTGGTGAATTC
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GTGAAGCAGGACTTGGCTCAAGGGCAGTTGACGTGTAATGACACCAGCGCAGCTCTTTG
ATTTACACATTGTGCAATCTGAGATTGGGGATTNTGATGAAGCCTTGGACAGAGAGCA
CTTAGCANAAAAATAAATACATACCCTCAGCAGACGCACTAGAGGACAANAATCGTGGAA
NTCACCANTACCATTGACANACACCAGCAGAATCAGATTTCCAGCTTTANAGATGC
CCGTCGCTTNAANAGTATGAAATCCGA
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_005766 unedited TATAAGCGGCTTGCTAAGATCTAAACCCACGNTGCCGGACTGGGGTTGGGTGTGCTGTT TTTTCAAAAACCTGCGAGGCCGGGTTAAAAACCGCGGCTGTGGAGACAGGAGAGCTGCTG GGAAGCCATGTTTTGATTTTCAGACAGGTGTTAATTTTACCAGGCTTCATTAATACAGA AGAAAGGAAACGTCTCCAGGAAAGCAGCCACTGCGGAAACGAGTGTGTCCGGCCATCAA TACACAAGAGACTCTTTGTGACTCAACACGTGGGGTCGCGAGGCAGAGCTGGTGGCACTG CGGATCACTTCCATCCACCTTTTCAACAGTACTCGCTTTCCGCCCTGAAGTAGTAGACG TGGGACTTGAAGTGCAGCTTGAACACGTAGTCTTTCTGGATGTTCTCGGACTCAGAGGGG ATGGTGAGCGAGTAGCCGAGCAGAGGCAGGCTGGCAAGGGGATGATTGTCTGGTGTGAT TTGTAGAAGAACAGGCAGAAAGTTTGTGAACACCACCCACAGCTTCTGCCACCCGTTGCTG TTTTTGAATTTCTCAGCAGGTTTCCAGACAAGTATTCTCCACTGCGATGCTGAAGTCC ACCATGGAGACGCTGGTGTGCGGTGCCAGCACACGTGCACCATTGTGTTGCCGCGGTGC CGGGCCTGGCGCTCCAGCGATGTGCGCGAGGCGCTCAGGTCATCCTCTGACTCCTGGTCA GCCGCCGTGGCTTCATCAGGCGACTTGTGTGTCAGGGGGGCTGCTGGCCAGGACTTAGGTG CGTGGCTGTTGCTCTTCTCCGACAGTTAATGGGCATNTGGATGCTCTACACCACTTTCCA TCTGGGCCGAGACTGTGCCCATGATGACTGCGCTGCCCGCAGGTACGCGTGGGCACC CCCATCGTTTCGTTTCTTATAGCAGCCTATACGGAGTGTCTGACTTAATGTGGAGCCGT AACCCGGTCGGTACAGACTCTTGAAG
Restriction Sites:	NotI-NotI
ACCN:	NM_005766
Insert Size:	4160 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_005766.2</u> , <u>NP_005757.1</u>
RefSeq Size:	5028 bp
RefSeq ORF:	3138 bp
Locus ID:	10160
UniProt ID:	<u>Q9Y4F1</u>
Cytogenetics:	13q32.2
Domains:	RhoGEF, B41, PH

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]
Transcript Variant: This variant (1) represents the longest transcript and encodes isoform 1.