

Product datasheet for **SC337837**

FARP1 (NM_001286839) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FARP1 (NM_001286839) Human Untagged Clone
Tag:	Tag Free
Symbol:	FARP1
Synonyms:	CDEP; FARP1-IT1; PLEKHC2; PPP1R75
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001286839, the custom clone sequence may differ by one or more nucleotides

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ATGGGAGAAATAGAGCAGAGGCCACCCAGGATCACGACTGGGGGCCCGGAAAATTCGGGGATCAGTA
CCTTGGAACTGGACAGAAGCCGCCCAACACCTTCAGGAAAACCTCGTGTCCATCAAAAATCCAGATGCT
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TGCAATCTGAGATTGGGGATTTGATGAAGCCTTGGACAGAGAGCACTTAGCAAAAATAAATACATACC
TCAGCAAGACGCACTAGAGGACAAAATCGTGAATTTACCATAACCACATTGGACAAAACACCAGAGAA
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CCTTCTGGAAAATCTGTGTTGAACATCATGCCTTCTTTAGACTTTTTGAAGAGCCCAACCAAGCCCAA
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GCAGCCAAGCACAGGCTCCCTGACTGGCAGTCTCACCTTCCGAGCTGTCTGTAACTCGCAGGGGGGA
GTGGCCCTGCCAACGTGACCTTGTCTCCAACCTGAGCCCCGACCAAGCAGGCTCTCCCTTGATCA
GCCCGTCTGAATGACCAGGCTGCCCGGACGGACGATGAGGATGAGGGCCGAGGAAGAGATTCCC

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AACTGATAAAGCGTACTTCATAGCTAAGGAAGTGTCTACCACCGAGCGAACATATCTGAAGGATCTCGAA
GTTATCACTTCGTGGTTTCAGAGCACAGTGAGCAAAGAGGACGCCATGCCGGAAGCACTGAAAAGTCTCA
TATTCCEGAATTTTGAACCTTTGCACAAATTCATACTAATTTTCTCAAGGAAATGAGCAACGACTTGC
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GAATCAAGAGCTCCCGGGCTGGAGAATTCTGCAGAGACTTTGAGCTGCAGAAGGTGTGTTACCTACC
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CAGAAGCTGTGGTGGTGTTCACAACTTCTGCCTGTTCTTCTACAAATCACACCAGGACAATCATCCCC
TTGCCAGCCTGCCTCTGCTCGGCTACTCGCTCACCATCCCCTCTGAGTCCGAGAACATCCAGAAAGACTA
CGTGTTCAGCTGCACTCAAGTCCCACGTCTACTACTCAGGGCGGAAAGCGAGTACACGTTTCAAAGG
TGGATGGAAGTATCCGAGTCCACAGCTCTGCCTCGCGACCCACGTTGAGTCAAAAAGAGTCTC
TTGTGTATGA
    
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- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001286839
- 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:**
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_001286839.1](#), [NP_001273768.1](#)
- RefSeq Size:** 4936 bp
- RefSeq ORF:** 3231 bp
- Locus ID:** 10160

UniProt ID: [Q9Y4F1](#)

Cytogenetics: 13q32.2

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 (3) differs in the 5' UTR and contains an alternate in-frame exon in the 3' coding region, compared to variant 1. The encoded isoform (3) is longer than isoform 1.