

Product datasheet for SC115341

FHOD1 (NM_013241) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FHOD1 (NM_013241) Human Untagged Clone
Tag:	Tag Free
Symbol:	FHOD1
Synonyms:	FHOS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_013241 edited

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CGGAGGCGCGCTGCGTGAGCCGGCCGAGAGCCATGGCGGGCGGGGAAGACCGCGGGGAC
GGAGAGCCGGTATCAGTGGTGACCGTGAGGGTGACGTACCTGGAAGACACCGACCCCTTC
GCATGTGCCAACTTTCCGGAGCCGCGCCGGGCCCCACCTGCAGCCTGGACGGGGCGCTG
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GATTGTGCTCTGCAAGTGTCTCCCTCCGATACTACCTGGACACCGAGCTGTCCCTGGAA
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AAAGACCTGGTGCCTGAATTTGTGCATTGAGAGGGCTGAGCTGCCTGATCCGTGTGGGT
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AGCCTTGACACAGAGCCCAAGGAGCCACTGATACCAGCAAGCCCCAAGGCTGAGCCCATC
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GTGTGTGAGCTCCTTGAACGCACGGAGCAAAATAAAATTTTCTTAGCTAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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Restriction Sites:

NotI-NotI

ACCN:

NM_013241

Insert Size:

3800 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_013241.1](#), [NP_037373.1](#)

RefSeq Size: 3775 bp

RefSeq ORF: 3495 bp

Locus ID: 29109

UniProt ID: [Q9Y613](#)

Cytogenetics: 16q22.1

Domains: FH2

Gene Summary:

This gene encodes a protein which is a member of the formin/diaphanous family of proteins. The gene is ubiquitously expressed but is found in abundance in the spleen. The encoded protein has sequence homology to diaphanous and formin proteins within the Formin Homology (FH)1 and FH2 domains. It also contains a coiled-coil domain, a collagen-like domain, two nuclear localization signals, and several potential PKC and PKA phosphorylation sites. It is a predominantly cytoplasmic protein and is expressed in a variety of human cell lines. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]

Transcript Variant: This variant lacks two alternate in-frame exons in the 5' coding region, compared to variant 1. It encodes isoform 2, which lacks an internal in-frame segment and is shorter, compared to isoform 1.