

Product datasheet for **MC229588**

Fhod3 (NM_001289654) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fhod3 (NM_001289654) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fhod3
Synonyms: A930009H06Rik; FHOS2; mKIAA1695
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229588 representing NM_001289654
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCACGCTGGCTTGTGCGTGCAGTCTTTGGACGACACCGATCCTTTCAACAGCACCAACTCCCAG
 AGCCAAGCCGGCCACCGCTGTTACATTCGCGAGGACCTGGCTCTGGGCACCCAGTTGGCCGGGTCCA
 TCGGCTGTGCGGGCGCCGACAAGCTCGATGACTGTACCCTGCAGCTGTCCACAATGGCGCTACCTG
 GATCTGGAGGCCACGCTGGCGGAACAGCGGGATGAGCTAGAAGGCTTCCAGGATGACACAGGGCGGGCA
 AGAAGAACAGCATTATTCTGAGGACACAGCTGTCTGTGAGGGTCCATGCCTGCATTGAAAAGCTGTACAA
 CTCCAGTGGCCGAGATCTAAGAAGGGCCCTTTTCTCACTGAAGCAGATATTTAGGATGACAAGGATTTG
 GTGCATGAATTTGTCATAGCTGAAGGTCTGACCTGTTTGTCAAAGTGGGAGCCGAGGCGGATCAGA
 ATCAGAATACATCCTGAGGGCTCTGGGTCAGATTATGTTGTATGTGGATGGATGAATGGCGTCATCAA
 CCACAGCGAGACCATCCAGTGGCTTTACACGCTCGTTGGTCAAGTCCGCCTGGTAGTGAAGACAGCC
 CTGAAGCTTCTTCTGGTCTTTGTGGAGTATTCTGAGTCCAATGCACCATTCTCATTAGGCCGTTTCTG
 CTGTCGACACAAAAGAGGTGTCAAACCCTGGTCCAACATCATGGAAATCTTGGAGAAAAGATGGAGT
 TGACACAGAGCTATTGGTTTATGCAATGACTCTAGTGAACAAGACACTGGCAGGACTGCCAGATCAAGAC
 ACCTTCTATGACGTAGTAGACTGCCTGGAAGAGCTGGGCATCGCCGCTGTGTCCCAAAGGCACTTGAACA
 AGAAAAGGACAGACCTGGACTTGTGGAGCAGTTAATATCTATGAGGTGGCACTCAGGCATGAAGATGG
 TGATGAGACAGCTGAGCCACCCCAAGTGGGACCCGGGACCGGAGGAGGGCCAGCATGTGTTCTGGTGGC
 ACTGTGGGTGAGCAACAGGGCCTTGACCGCAGAAGGAGCCGTAGACACTCAATCCAGAATATCAAGAGCC
 CACTGTCAGTCCCACCAGCCCCTGCTCCCGTCTGTTCTGCTTCAAACCCAGCCAAGTTCGAGACCT
 CTGTGAAAAATACAGCAATTTACGAGCAACTCTTCCAATCCTCCAGACCCTCTCTGGACCTAGTGGG
 TCCCCATCTTATGCATCATCCTTCTCATCCCCACAGGATACCAGGTCATCGCCAAGTGGCCTTCTCACAT
 CCTCGTTACAGGACAGCAAGAGTCACTGGCAGCAGAGAGAGAGCGGAGGCGGCAAGAGAGAGAGGAAAG
 ACTGCAGAGGATAGAACGGGAAGAAAGGAACAAATTCACCGGGAATATCTAGACAAAAGGGAGGAGCAA
 AGGCAAGCAAGAGGAGAAAGATACAAATACTTGGAGCAGTTGGCAGCCGAGACGCAGGAGAAGGAGCCTA



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GAAGCCAGAGCGTGAGCCGGGGTAGAGCTGACCTCTCCTTGGACCTGAGCTTGCCTGCAGCCCCTGCTCC
 ACCTTCCCCTTCAAGCCAGAGTCCCTCTGCTGACTCACAAGAGGCTCTCCCTGTGCCCTTATCCCCACCC
 ACTCTGCAGTGCCCCAAGTAAGTGGTAAGGACCACGAGCCTGAACTGGAGGCAGAAGCTGGGCAAGGTG
 CTGATGAAGCCAGCCAGGATATAGCATCTGCCACAGGGGAGCAGAGAGCCAAGAAGAGCCGGTGTGGA
 GCTAGAGCCAGAGAAAGAGCTTCACTGAGTGAAAAAGAGAGGCAAAACGAAGAGGTGAATGAGAGGGAC
 AACTGTTCTGCTTCCAGCATCTCGTCTCCAGCAGCACCTTGGAGAGGGAAGAGAAGGAAGACAACTGT
 CTGAAGACAGGGGACCGGTTTGTGGTCCACCAGCCTTCCAGGATGTGGGTGTGAATGGACAGTGTGGTGA
 CATCCTTACCAGCAAAAAGTTTCACTGCTGGACATGCTGTATGCCATAACAGAAAAATCCACAGAAGATGAG
 GAAAAAGATGACGGCGAGCCTGGGAGGTCTGCGCAGGAGGTGGAGGCAGTGGCCAGCCTCGCCACCAGGA
 TATCCACTCTGCAGGCCAACTCTCAGGCCCCAGAGGAGAGCATCAAGAGGGTGGACATTGGCTGTCTAGA
 CAACCGGGGACAGTGTGAAGGCATTTGCTGAGAAATTAACAGTGGAGAAGTAGGGAGGGGTGCCATCTCT
 CCTGATGTGGAGTCTCAGGACAAGGTCCCGGATACACCCCCAGCAGCAGTGAAGACTGAGTCTGATTACA
 TCTGGGACCAGCTCATGGCCAATCCGAGGGAGCTCAGAATCCAAGACATGGATTTACAGACCTAGGGGA
 GGAGGACGATATCGATGTTTTGGATGTGGATCTTGGCCACCGGGAAGCCCGAGGCCACCCCTCCACCC
 CCTCCACCTTCTGGGTTTGCACCCCCACCCCTCCACCCCTGTTGGACAGCGTGCCTCCCCACCAG
 TCCCCGGTAATTTATTGGCTTCTCTGTGTTCAACACTCCTCAGGGCTTAGGGTGTGCCAGGTACCCAG
 GGGTCAGCCAGCGTTTACCAAGAAAAAGAGACGATCCGGCTGTTCTGGAACGAAGTCCGGCCCTTTGAG
 TGGCCAAGTAAGAACAATCGCCGGTGCAGGGAATTCCTGTGGTCAAACTGGAACCCATTAAGGTGGACA
 CTTCCAGACTCGAGCACCTGTTTGTGAGTCCAAGTCTAAGGAGTGTCTGTCAACAAGAAACGGCTGCAGA
 TGGTAAACGGCAGGAGATCATTGTTCTGGATTCCAAGAGGAGCAATGCCATCAACATCGGCCGACGGTG
 CTGCCCCCTCAAAGGACAATTAAGATAGCCATTTTGAATTTGATGAGTATGCCTTAAACAAAGAAGGGA
 TCGAGAAAATTCGACCATGATTCCAAGTGAAGAGGAGAAGCAGAAAAATCCAGGAGGCTCAGCTGGCTAA
 CCCGGAAGTGGCGTTGGGACAGTGCAGAGCAGTTCCTTCTCACACTCTTCCATCAGTGAAGTCTCGGCT
 CGGCTCCACCTGTGGGCATTCAAAATGGATTATGAAACACAGAAAAGGAAGTGGCCGAACCACTTTTGG
 ACCTGAAGGAAGGAATAGACCAGTTGGAGAACAATAAGACTCTGGGCTTATCCTGTCTACTCTCCTTGC
 CATTGGGAACCTTCTAAATGGAACATAATGCCAAAGCATTGAGTTAAGCTACCTCGAGAAGGTTCCAGAA
 GTCAAAGATACAGTGCACAAGCAGTCTCTTCTCCACCAGTGTGCACCATGGTAGTGGAAAACTTTCCGG
 ACAGCTCGGATCTGTACTCAGAGATTGGGGCCATCACTAGGTGAGCCAGGTTGACTTTGATCAACTTCA
 GGATAATTTATGTCAGATGGAGAGACGCTGCAAAGCTTCAATGGGACCACCTCAAGGCGATTGCAAAACAC
 GAGATGAAGCCTGTTTTGAAACAGCGGATGTCAGAGTTCTAAAAGACTGTGCAGAGCGAATTATAATTT
 TAAAGATCGTCCATCGGAGGATAATTAACAGATTTCACTATTTTACTGTTTATGGGCCATCCCCCTTA
 TGCATTCGAGAGGTGAACATCAACAAGTTCTGCAGGATCATCAGTGAAGTTTGCCTGGAGTATCGCAG
 ACCAGGAAAAGGGTTCTACAGCAGAAAACAGAAGCGGGCAACCACAGAGAGAGAAAACAAGACCAGAGGGA
 AGATGATCACTGACTCTGGCAAGTTCTCTGGCAGTTCTCCAGCAGCACCGAGCCAGCCACAGGGTCTGAG
 CTATGCTGAGGATGCAGCCGAACATGAGAACATGAAGGCCGTGTTGAAAACCTCTCCCCCTGCGCTGGAG
 GACGCCACCCAGTGCTTGGTGTCCGCACTCGCAGCCGGGCAAGCCGAGGATCCACTAGTTTATGGACTA
 TGGAACTGAGGAGTCACCTAGTGTCACTGATGATGCGGCTGATGAGATCATGGACCGCATTGTCAAATC
 AGCCACCCAAGTGCCAGTCAGAGAGTGGTGCCACGGGAGAGAAAAGCGTTCCAGGGCCAACCGCAAATCT
 TTGCGAAGGACCTTGAAGAGTGGCTGACTCCAGAAGAAGCCAGAGCCCTGGGCCCTGGTTGGCACATCTG
 AACTGCAACTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289654
Insert Size: 4284 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001289654.1, NP_001276583.1</u>
RefSeq Size:	5798 bp
RefSeq ORF:	4284 bp
Locus ID:	225288
UniProt ID:	<u>Q76LL6</u>
Cytogenetics:	18 A2
Gene Summary:	<p>May play a role in actin filament polymerization in cardiomyocytes (By similarity). Actin-organizing protein that may cause stress fiber formation together with cell elongation. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks two alternate in-frame exons in the coding region, compared to variant 1. This results in a shorter isoform (2), compared to isoform 1.</p>