

Product datasheet for **MC224394**

Fgd6 (NM_053072) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fgd6 (NM_053072) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fgd6
Synonyms: AA123052; Etohd4; ZFYVE24
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224394 representing NM_053072
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACTTCTGCCGCGGAGCTTAAGAAGCCACCATTGGCTCCCAAGCCAAAGTTAGTGGGGACCAATAATA
 AGCCACCTCCCCCTCCTATTGCACCTAAACCGGACATTGGCAGTGCTAGTGTCCACGGTTAACGAAGAA
 GACCAAAACCGGCAATTGCGCCAAAACAAAAGTCCCGACAACTCAGTTGTTCAAGACATTAAGCATCCA
 CCCTCAAAGAAACCTACTTTGAACCTGGAGGAAAAGGGAGCCAGAATTACCGAGAGCACTGGCAAGTCTA
 ATTGCAAGGATGTCAGGGATCCACACAGTGATTATATTTTACCAACGTGTTCTCGCAGTTCTGGGTGTAT
 TCACGAGCCTAGGACTCGAGAAACCCAGTGTGTAGAGCAGCTTGTTTAGAGCCTCTGGGAATGAAGGAA
 AATTTAGAGAATAGTAAAAATGGTGAGTCTCAAAAAGGGGGAGTAGCTGGGATTAAGCAGCGAAAAGT
 GCCGGGGCCAGAGTGGAGTTGTTTTAAAGGCAAGCATCTAGAAGAGAAGCTCAAAGAGGTCCTGACGCA
 GCAGCGATCACCTTGTTGTTCCCGGGGAGGCACAGAGCTCAAAAAACCAGAAATGAATGGTGACCAT
 AGTTGCACCAGGCAGATCAGAATTGAATTTGCAGATGTGTCTTCCCTGACCGGCTTTGAAAAAGTTC
 CCGCTCATCAACTGCCACCCACAACCTCCTAGGGATGAATCTCAGACTCTAAGACTTGTCAAGATGG
 CAGTGCAGAGAGCCGTGGTGCACACTGATTCATGTGAACCGGAGAACAAAAGAGTGGCTTCAGATGGAATT
 AGTCAGAAGACAGAGGTCAAAGGTCTCGTCTCTTAGAAATCCACTTACTACCGTATACCTCAAAGTTTC
 CAACTCCCAAGCCAGGAAGACACACGCAGCTGCTCGTCTTCGCCGCCAGAAGCATGTAGATACTCCTGG
 TGAAAGCACTGAAGAGCCAGGAACTCAAACAATGGCTCTTCTTGCCCTCTGGAGGATTATTGTTTGAAA
 AACAAATAAAGTCAGTGTCTTCTCGTCAGAATGCTTTGTATAACCAGGGACCAGTGGACGAGGTGAGGCCAG
 CAAACCAGAGGGCACTGACAGGGGATCCAACAGTGGCGGACAGGACTCAGTCGGCTCACAGAAAGCTGT
 GCAGCAGCAAACGCTTCTTTAGATACAGATTCTAGTTTGACTTCTGACAGCAGTGGTTCTGGCGTGTCA
 CCTGCTGTGGACAAAGAGACTACTTACACACAGTGCAGTACTCAGCCTTTGAGCTTGCCCTAAGCAAGTCA
 CATCAGCCTGCACTGACCAGCCACCAGTACCTGTAACCCGGAAGTGTACGCTCCTCCCATACAAAAGGA
 ATCTTCTCCTCGAGAATCATTCCAAAAAACCTCAAAGACACAGCTTGCTGCAGCAGGGGTGCTTAAA
 AAGGCTGCTTCGGAGGAGCTTGTAGAAAAGAGCTTTCAGGTAAGGAGACAAATGTGCGAAAAGGTCTGC



[View online »](#)

ACAGAACTACCTTCACCATCCGGGGCCCCAAACCATGGCGCGTCAGCATCACCCCTTGTATATGCCAA
 CCCGACTTCAGAGAAGCCAGTGTGGAAGTTACCTCATCCTATTCTACCTTTTCAGGGAGCCCAGAGGCC
 TTGAAACGCGTCACTTTATCCTTAAATAACGAGCCTTCGGTTCCCTAACCAAGCCAAGAGCAAAATCCC
 TGTCTGCCGTGGATGCGGACCGGTGAACAAGCCTTGCAAAGACCCTCCGAAGAAAATCTTTTTAAAA
 GTTGATCAATGTGAACTGTCCATTGGCTTCATAAAGAGCGACTTTCAGAAAATTAGGTCGAAAAGCTGC
 CAACACGGGGATGTCTCTGCAGGACATCCGCTCGCTAGAGAGCCAAAAGGACTTGAAAGTATTGGCAAG
 GTTTGGCTACAGGAGAAGAGAAGAGAAGTAAGCCACGAAGGCACATTCTGCAGAAAATCGAGCCTGGA
 ATCTCAAAGGTGAAGTCTGGGGCCAGAGCAGTGCAGTTAACGGTCAGAGGGCGGAGTCTTTGGATGAC
 CGGATTCTCTCCAGGCACACGTCTGTACAGGCGACTTCGGGCCAGAGTATGAAAATGTCCGCCATTATG
 AGGAGATACCCGAGTATGAGAATTTGCCCTTTGTATGGCTGGAAGGAACACTCCGGACTTGGGATGGCA
 GAACTCCAGCAGTGTGGAGGACTGATGCAAGTCTATATGAAGTAGAAGAGCCCTACAATGCTCCAGAT
 GGCCAGCTGCAACTTGATCCTAGACATCAGCCTTGCACTTCTGGAACATCCAGGAGGGGAAAGGATGCTC
 TCCATCTGGCCTCAGTGACCTGCCTTCTGATGAGGAAGTCAATAGTTCTGATGAAGATGATGTCAG
 CTCGAGTCCAGTAAAGGCGAGCCAGACCCCTGGAGGATAAACAGGATGAAGATGCTGGATGAAAAGC
 AAAGTTCATCATATTGCCAAGGAGATCATGAGCTCCGAGAAAGTGTTTGGATGTGTTAAAGCTTTTGC
 ATATTGACTTCCGGGGTGTGTAGCCCATGCATCCAGGCAGCTCGGGAAGCCCGTATTGAGGACCGGAT
 CCTTAACCAGATCCTGTACTACCTGCCTCAGCTGTACGAGCTCAACCGGGATCTCCTGAAGGAACTGGAA
 GAGCGAATGCTCACCTGGACAGAACAACAAGAATTGCTGATATCTTTGTAAGAAGGGGCCATACTTAA
 AAATGTATTCCACATACATCAAAGAATTGATAAGAACGTAGCTTTGCTGGATGAGCAGTGAAGAAAA
 TCCAGGATTTGCTGCAGTTGTGAGAAATTCGAGATGAGCCCTCGATGTGCCAACCTGGCCCTGAAGCAC
 TACCTGCTAAAGCCAGTTAGAGGATCCCTCAGTACAGGCTGCTACTGACAGATTACTTAAAGAACCTTC
 TAGAAGACTCTGTAGATCACAGAGACACCAAGATGCCCTGGCTGTTGTATAGAGGTAGTCAACCATGC
 CAATGACACCATGAAGCAAGGGGACAATTTAGAAGTCAATGAGATTGATGAGTCAAGTAAAGTGGAC
 CATGAAAATTGTGAACCCGGGGCGGTTTTCTTAAAGAAGGCACCTGATGAAGCTGTCTCGGAAAGTCA
 TGCAGCCCCGGATGTTTTCTGTTAACGATGCTCTTCTCTACACCACCCCATGCAGTCTGGGATGTA
 CAAACTGAACAACATGCTCTCGCTGGTGAATGAAGGTCAGAAAACCTACCCAGGAGGCATATCAGAAC
 GAGTTAAAGATTGAAAGTGTAGAGCGTTCTTTCATCCTCTCAGCTAGTTCTGCCGAGAAAGAGATGACT
 GGCTGGAGGCCATATCCAGCTCCATAGAAGATATGCCAAGAAAAGATCACATTCTGCCCCAGCAGGAG
 TCTTGACGAGGACTCAGAAAGGAAAGAAGTTAGCCCCCTCGGGGCAAAGGCTCCCATCTGGATCCCA
 GACACCAGAGCCACCATGTGTATGATTTGCACAAGTGAATTCACCCTGACCTGGAGAAGACACCACTGCA
 GGGCCTGTGGGAAGATTGTGTGCCAAGCTTGTCTATCAAACAAGTATGGCTTAGATTACCTGAAAGGGCA
 ACTGGCAAGAGTGTGCGAGCACTGCTTCCAAGAGCTACAGAAATTAGATCACCAGCTGTCCCTAGGGTT
 GGGTCTCCCGAAATCACAAGTCTCCTCAAGTGCCTTGTGTCAGTCTTACATAGCATCCCGTCAGGGA
 GGAAGCAGAAGAAAATCCCCGCTGCTCTCAAAGAAGTGTGAGCAAAACACAGAAGACTCCACTATGAGCGG
 CTACCTTACAGATCCAAGGGCAGTAAAAAGCCATGGAACACTTATGGTTTGTATCAAAAACAAAGTA
 CTCTACACATATGCTGCAAGCGAGGACGTGGCAGCTTTGGAAAGTCAAGCTTTATTAGGCTTACCGTCA
 CTCTAGTCAAGGATGAGAAGTCAAGTCTAAAGTGTTCAGCTGCTGCACAAAGGCATGGTGTTTACGT
 ATTTAAGGCAGACGATGCCCACTCCACGCAGAGGTGGATAGACGCATTTCAGGAAGGCACAGTATTGTAG

ACGGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-NotI

ACCN:

NM_053072

Insert Size:

4200 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:	NM_053072.3 , NP_444302.4
RefSeq Size:	8061 bp
RefSeq ORF:	4200 bp
Locus ID:	13998
UniProt ID:	Q69ZL1
Cytogenetics:	10 C2
Gene Summary:	May activate CDC42, a member of the Ras-like family of Rho- and Rac proteins, by exchanging bound GDP for free GTP. May play a role in regulating the actin cytoskeleton and cell shape (By similarity).[UniProtKB/Swiss-Prot Function]