

Product datasheet for **SC337315**

FGD3 (NM_001286993) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGD3 (NM_001286993) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGD3
Synonyms:	ZFYVE5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001286993, the custom clone sequence may differ by one or more nucleotides

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ATGGAGTCAGGCAGGGGTCCTCAACCCCTCCAGGACCCATTGCTGCCCTAGGGATGCCAGACACTGGGC
CTGGCAGTTCTCCCTAGGGAAGCTTCAGGCGCTCCCTGTTGGGCCAGAGCCCACTGTGGGACCCTGT
CAGCCTGGCTGCAGCAGGGGACGGCTCTCCAGACATAGGCCCCACGGGAGAGCTGAGTGGTAGCTTAAAG
ATCCCCAACCGGACAGCGGGATCGACAGTCCCTCCTCCAGTGTGGCTGGAGAGAACTTTCCCTGCGAGG
AGGGCTTGGAGGCTGGCCCAAGCCCACTGTACTGGGGCGCACGCAGAGATGGCCCTGGACAGCCAGGT
CCCCAAGGTACCCCCAGGAGGAGCGGACAGCGACGTGGGTGAGGAACCTGACTCTGAGAACACCCCC
CAGAAGGTGACAAGGATGCCGGCTGGCCAGCACTCTGGCCCCAGAAGCTTCTCCACATTGCCCAGG
AGCTCTGCACACCGAGGAGACCTATGTGAAGCGGCTGCACCTGCTGGACCAGGTTTTCTGCACCAGGT
GACGGATGCGGGGATCCCTCCAGAAGTCATCATGGGCATATTCTCTAACATCTCCTCCATCCACCGCTTC
CACGGGACGTTCTGCTGCCGGAGCTGAAGACCGGGATCACGGAGGAGTGGGACACAAACCCACGGCTCG
GGGACATCCTGCAGAAGCTGGCCCCATTCTGAAGATGTACGGCGAGTATGTCAAGAAGTTTGACCAGC
CGTAGGGCTGGTGAAGCTGGACCCAGCGCTCCCACTGTTAAAGACGTCGTCCACAGCATCCAGAAG
CAGGAGGTATGCGGGAACCTGACGCTGCAGCACCACATGTGGAGCCCGTGCAGAGGGTCCCCCGGTACG
AGCTGCTGCTCAAGGACTATCTGAAGAGGCTCCCGCAGGACGCCCCAGACCGGAAGGATGCGGAGAGGT
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CATGATCCTTTACTGTGTGCCAAAGCTGCGGCTCATGGCCAGAAGTTCAGCGTCCGGGAGAAGATGGAC
ATCTCAGGCCTCCAGGTGCAGGATATCGTCAAGCCAAACACAGCACATACATTATCATAACAGGAAGAA
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CATCGAGAAGCACAACAGAACAGCGAAACCTTCAAGGCTTTTGGTGGCCCTTACGCCAGGATGAGGAC
CCCAGCCTCTCTCCAGACATGCCTATCACGAGCACCAGCCCTGTGGAGCCTGTGGTGACCACCGAAGGCA
GTTCCGGTGCAGCAGGGCTCGAGCCAGAAAATATCCTCTAAGACCAGACGTGACAAGGAGAAGCAGAG
CTGTAAGAGCTGTGGTGAAGCTTCACTCCATCACCAGAGGAGGCATCACTGCAAGCTGTGTGGGGCG
GTCATCTGTGGGAAGTGTCCGAGTTCAAGGCCGAGAACAGCCGGCAGAGCCGTGTCTGCAGAGATTGTT
TCCTGACACAGCCAGTGGCCCCGAGAGCACAGAGACCCCACTGCAGACCCCCAGCCAGCCTGCTCTG
CGCCCCCTGCGGCTGTGAGAGCGGTGAGACCTGGAGCGAGGTGTGGGCGCCATCCCCATGTCAGAT
CCCCAGGTGCTGCACCTGCAGGGAGGCAGCCAGGACGGCCGGCTGCCCCGACCATCCCTCTCCCCAGCT
GCAAAGTGAAGTGTGCCGGACCCTGAGGAGAGGCTGGACTCGGGGCATGTGTGGAAGCTGCAGTGGGCCAA
GCAGTCTGTTACCTGAGCGCCTCTCCGAGAGCTGCAGCAGCAGTGGCTGGAACCCCTAAGCACTGCT
GCCCATGGGGACAGGCCAGGACAGCCCGGGGCCCTGCAGTTCAGGTCCCTATGGGCGCAGTGTCTC
CGTGA
    
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Restriction Sites: Sgfl-MluI

ACCN: NM_001286993

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_001286993.1</u> , <u>NP_001273922.1</u>
RefSeq Size:	3449 bp
RefSeq ORF:	2175 bp
Locus ID:	89846
UniProt ID:	<u>Q5JSP0</u>
Cytogenetics:	9q22.31
Protein Pathways:	Regulation of actin cytoskeleton
Gene Summary:	<p>Promotes the formation of filopodia. May activate CDC42, a member of the Ras-like family of Rho- and Rac proteins, by exchanging bound GDP for free GTP. Plays a role in regulating the actin cytoskeleton and cell shape (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, and uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The encoded isoform (b) is 1 aa shorter than isoform a.</p>