

Product datasheet for **SC318209**

FGD3 (NM_033086) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGD3 (NM_033086) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGD3
Synonyms:	ZFYVE5
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_033086, the custom clone sequence may differ by one or more nucleotides

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ATGGAGTCAGGCAGGGGGTCTCAACCCCTCCAGGACCCATTGCTGCCCTAGGGATGCCA
GACACTGGGCCTGGCAGTTCTCCCTAGGGAAGCTTCAGGCGCTCCCTGTTGGGCCAGA
GCCACTGTGGGACCCTGTCAGCCTGGCTGCAGCAGGGGACGGCTCTCCAGACATAGGC
CCCACGGGAGAGCTGAGTGGTAGCTTAAAGATCCCCAACCCGGGACAGCGGGATCGACAGT
CCCTCCTCCAGTGTGGCTGGAGAGAACTTCCCTGCGAGGAGGGCTTGGAGGCTGGCCCA
AGCCCCACTGTAAGTGGGGGCGCACGCAGAGATGGCCCTGGACAGCCAGGTCCCGAAGGTC
ACCCCCAGGAGGAGGGGACAGCGACGTGGGTGAGGAACCTGACTCTGAGAACACCCCC
CAGAAGGCTGACAAGGATGCCGGCTGGCCAGCACTCTGGCCCCAGAAGCTTCTCCAC
ATTGCCAGGAGCTCCTGCACACCGAGGAGACCTATGTGAAGCGGCTGCACCTGTGGAC
CAGTTTTCTGCACCAGGCTGACGGATGCGGGGATCCCTCCAGAAGTCATCATGGGCATA
TTCTCTAACATCTCTCCATCCACCGCTCCACGGGCAGTTCTGCTGCCGGAGCTGAAG
ACGCGGATCACGGAGGAGTGGGACACAAACCCACGGCTCGGGGACATCCTGCAGAAGCTG
GCCCATTCCTGAAGATGTACGGCGAGTATGTCAAGAATTTGACCGAGCCGTAGGGCTG
GTGAGCAGTGGACCCAGCGCTCCCACTGTTTAAAGACGTCGTCCACAGCATCCAGAAG
CAGGAGGTATGCGGGAACCTGACGCTGCAGCACCATGTGGAGCCCGTGCAGAGGGTC
CCCCGGTACGAGCTGCTGCTCAAGGACTATCTGAAGAGGCTCCCGCAGGACGCCCCAGAC
CGGAAGGATGCGGAGAGGTCCTTGGAGCTCATCTCCACAGCCGCCAACCACTCCAATGCT
GCCATTCGAAAGTGGAGAAAATGCACAAGCTCTTGGAGGTGTACGAGCAGCTGGGTGGG
GAAGAAGACATTTCAACCCGGCCAATGAACTGATCAAGGAGGGCCAAATCCAGAAACTG
TCAGCCAAAGACGGCACCCCCAGGACCCACCTTTCTGTTCAACAGCATGATCCTT
TACTGTGTGCCAAGCTGCGGCTCATGGGCCAGAAGTTCAGCTCCGGGAGAAGATGGAC
ATCTCAGGCCTCAGGTGCAAGATATCGTCAAGCCAAACACAGCACATACATTATCATA
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ATTCAGATCATCCAGGCCACCATCGAGAAGCACAAACAGAACAGCGAAACCTTCAAGGCT
TTTGGTGGCGCTTACAGCAGGATGAGGACCCAGCCTCTCTCCAGACATGCCTATCACG
AGCACAGCCCTGTGGAGCTGTGGTACCACCGAAGGCAGTTCGGGTGCAGCAGGGCTC
GAGCCAGAAAATATCTCTAAGACCAGACGTGACAAGGAGAAGCAGAGCTGTAAGAGC
TGTGGTGAAGCTTCAACTCCATCACCAAGAGGAGGCATCACTGCAAGCTGTGTGGGGCG
GTCATCTGTGGGAAGTGTCCGAGTTCAAGGCCGAGAACAGCCGGCAGAGCCGTGTCTGC
AGAGATTTGTTCTGACACAGCCAGTGGCCCTGAGAGCACAGAGAAGACACCCACTGCA
GACCCCAAGCCAGCCTGCTCTGCGGCCCTGCGGCTGTGAGAGCGGTGAGACCTGG
AGCGAGGTGTGGGCCGCCATCCCATGTGAGATCCCCAGGTGCTGCACCTGCAGGGAGGC
AGCCAGGACGGCCGGCTGCCCGCACCATCCCTCTCCCCAGCTGCAAAGTGTGAGTGTGCCG
GACCTGAGGAGAGGCTGGACTCGGGCATGTGTGGAAGCTGCAGTGGGCCAAGCAGTCC
TGGTACCTGAGCGCTCCTCCGACAGCTGCAGCAGCAGTGGCTGGAAACCTAAGCACT
GCTGCCATGGGACACGGCCAGGACAGCCGGGGCCCTGCAGTTTCAAGTCCCTATG
GGCGCAGCTGCTCCG
    
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Restriction Sites: Please inquire

ACCN: NM_033086

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: 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:	<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_033086.2 , NP_149077.2
RefSeq Size:	3370 bp
RefSeq ORF:	2178 bp
Locus ID:	89846
UniProt ID:	Q5JSP0
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 (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, and 4 all encode the same isoform (a).</p>