OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC219567

Fgd4 (NM_139233) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgd4 (NM_139233) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fgd4
Synonyms:	9030023J02Rik; 9330209B17Rik; Frabp; ZFYVE6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

Fully Sequenced ORF:

>MC219567 representing NM_139233
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGAGTCTAATCCGGCCCCTACTTCTTGTACCTCAAAAGGGAAGCATAGTAAGGTATCGGATCTCA
TCAGCCACTTTGAAGGAGGCAGTGTTTTGTCAAGTTACATTGATTTGCAGAAAGATTCTACTATGAACCT
CAATATTCCTCAAACTCTAGGACAGCCTGGGTTAACCTCCTCACCTCCACGAAAATTTCTGCCCCAGCAC
TCTCCACAGAAGCAGGAAAACGACCCAGATCAGACTCAGGGGCAACATGGTTGTTTGGCCAATGGTGTAG
TGGCTGCACAAAACCAGATGGAATGTGAAGATGAGAAGGAGACTACTCTTAGCCCAGAGATGGCTATTCA
GACTGCTGCCGCCTCTCCTGATACACATGTGCTGAATGGAGAAAGAAATGAAACCATCACAGATTCTGCA
TCATCCATAGCCAATAGTCATGATGAAAATGCTTCTGACAGCAGCTGCAGGACTCCAGGGACGGACTTAG
GGCTTCCCTCAAAAGAAGGGGAGCCAGGGATGGACGCTGAGCTCCAAGAGAGGGAAAATGGGGTGAACAC
CATGGGATTGGATACGTTGGACCAGCACCATGAAGTGAAGGAGACTAATGAACAGAAACTTCACAAAATA
GCCACTGAACTTTTACTTACAGAAAGAGCTTATGTCAGCCGGCTCGACCTCCTAGATCAGGTATTTTATT
GCAAACTATTAGAAGAAGCAAACCGAGGCTCATTTCCTGCAGAGATGGTGAATAAAATCTTTTCTAACAT
TTCATCAATAAATGCCTTCCATAGTAAATTCCTATTACCTGAGCTGGAGAAACGAATGCAAGAATGGGAA
ACTACACCCAGAATTGGAGATATCCTGCAAAAGTTGGCGCCATTCCTTAAGATGTATGGAGAATACGTGA
AGGGATTTGATAATGCAGTGGAACTGGTTAAAACCATGACAGAGCGTGTTCCCCAGTTTAAATCAGTGAC
TGAAGAGATTCAGAAACAGAAGATCTGTGGAAGCTTAACGCTGCAGCATCACATGCTGGAGCCTATTCAG
CGCATTCCTCGCTATGAGATGCTCCTGAAGGACTACCTGAAGAAGTTGTCTCCTGACTCCCCAGACTGGA
ATGATGCAAAAAAGTCACTTGAAATTATATCTACAGCAGCAAGCCATTCTAATAGTGCAATAAGAAAAAT
GGAGAACCTGAAGAAACTTTTAGAAATTTATGAGATGTTGGGAGAAGAAGAGGATATTGTAAATCCCTCA
AATGAACTAATAAAAGAAGGACAAATCCTCAAACTAGCAGCTCGGAACACATCAGCACAAGAGCGCTACC
TCTTCTTATTCAACAACATGTTGCTATATTGTGTGCCCAGATTCAGCTTGGTTGGCTCAAAATTCACAGT
TCGAACCAGAGTTGGCATTGATGGAATGAAAATTGTGGAGACTCACAATGAAGAATATCCACACACTTTC
CAGATATCTGGGAAAGAAAGAACCCTGGAGCTGCAGGCCAGTTCTGAACAAGACAAGGAAGAATGGATCA
AGGCCCTTCAAGAAAGTATTGATGCTTTTCATCAAAGGCATGAAACTTTCAGAAATGCAATCGCAAAGGA
AAATGACATTCCCCTAGAAGTTTCTACTGCTGAGCTGGGAAAACGAGCTCCAAGATGGATACGTGATAAT
GAAGTGACCATGTGTATGAAGTGCAAAGAGTCCTTCAATGCACTGACCAGAAGGCGGCATCACTGCCGGG
CATGTGGACATGTAAGTGAGGCATCCTCATTATCACAGCTGTTAGAAATGGTATATAGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_139233

Insert Size: 1812 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).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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_139233.2, NP_631979.1
RefSeq Size:	2216 bp
RefSeq ORF:	1812 bp
Locus ID:	224014
Cytogenetics:	16 A2- A3
Gene Summary:	This gene is a member of the FYVE, RhoGEF and PH domain containing (FGD) family. The encoded protein is a Cdc42-specific guanine nucleotide exchange factor (GEF) that plays an essential role in regulating the actin cytoskeleton and cell morphology. Disruption of the gene in mouse causes abnormal nerve development and dysmyelination. Mutations in a similar gene in human can cause Charcot-Marie-Tooth disease type 4H (CMT4H), a disorder of the peripheral nervous system. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US