

## Product datasheet for **RN203574**

### **Fgd2 (NM\_001107617) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fgd2 (NM_001107617) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fgd2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN203574 representing NM\_001107617  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCAAGCCTGTGCGAAGCAGGACTCAGTGTGCAACCTGGTGGCTGTGTTTGAACAGCAGGTCTC  
 CGGGAGCAGCACCTGGACCCCATAGTTTTGAGGACCAGCCCATAGCCCTGAACATCAGCTGCCCTGTC  
 CCCAGAGCCTTGGGAGGCACCCCTGCCGGGAGGCCTTGACGTCTGAGTTCCGGCCAGTCAGCAGGACA  
 TATCTGAATTCCTCAAGAATAAGCTATCGAGTGGGGCTTGAGGAAATCCTGCCAACCTGGGGCCAGTC  
 CAGGGCCGGAGACTCAGGAACCTGAGGAGAAGAGGGTCTGCAGGAGCTTCTGGAGACGGAGCAGGCCTA  
 CGTGGCTCGCCTGCACTTGCTTGACCAGGTGTTCTTCCAGGAGCTGCTGAGGGAGCGAGCCGTAGCAAG  
 GCCTTCCCTGAGGACGTGGTGAAGCTCATCTTCCAATATCTCTCCATCTACCGTTTCCACGCACAGT  
 TCTTCTCCCGGAGCTGCAGAGGCGGTGGATGACTGGACAGCCACACCACGCATCGGGGATGTGATCCA  
 GAAACTGGCCCTTTCTGAAAATGTACAGCGAGTACGTGAAGAACTTTGAGCGGGCGGCAGAAGTCTG  
 GCCACCTGGATGGACAAGTCACAGCCCTTCCAGGAGGTGGTACCACGCATCCAGCGCAGTGAGGCCCTCCG  
 GCAGCCTGACCCTGCAGCACCACATGTTGGAACCTGTGCAGAGAATCCCACGGTACGAACTGCTGCTCAA  
 GGAATATGTGCAGAAGCTGCCAGCCAGGCCCCAGACCTCGAAGATGCCAGAGAGCGCTGGACATGATC  
 TTCTCAGCCGCACAGCACTCGAACGCAGCCATTGCTGAGATGGAGCGGCTGCAGGGCCTGTGGGATGTGT  
 ACCAGCGCCTGGGCTGGAGGATGACATTGTGGACCCTTCCAACACCCTGCTCCGAGAGGGCCCTGTTCT  
 CAAGATCTCTTCCGCCGACGACCCAATGGAGCGCTACCTGGTTTTGTTCAACAACATGCTTCTGTAC  
 TCGGTGCCCGGGTCTCCAAGTGGTGCCAGTTCAGGTGAGGACCCGCATCGACGTGGCTGGCATGA  
 AGGTGCGGGAGCTGACGGACGCTGAGTCCCGCACTCTCCTGGTATCCGGCAAGCAGAGAAGCTTGA  
 GCTGCAGGCCCGGTCTCGAGAGGAAATGGTTTTCTTGATACAGGCCTGCCAGGCAGCTATTGACCAAGTC  
 GAGAAGCGAAGTGAACCTTCAAGGCTGCTGTCCAGGGACCTCAGGGGGACACACAGGAGCCCAAGCCAC  
 AGGCAGAGGAGCTGGGTCTCCGAGCACCTCAGTGGTCCGAGACAAGATGGTGACCATGTGTATGCGCTG  
 CCAGGAGCCCTTCAATGCCCTGACTCGTCGGCGTCACTGCGGGCTTGTGGCTACGTAGTGTGTGCA  
 AAGTGTCTGACTACCGTGGGAGCTGAAATATGACGGCAACAGGCCCAACCGAGTCTGCCTGACTGCT  
 ACACGTTCTCACCGAAACCTGCTCCCTGACAGCAAGGAGGACAAGAGGCGAGGCATCTTGAGAAAGA  
 GACCTCCGAGGGCCCGACCAGAGTGTGGTGTGACGTTTCTGCAGCTCATGGGGACAAGAGTATCAGG  
 AGCATTCCCGGAGCTGGTGTGATCCCCGGGATGACCGCTTGTGCTGTATGTCTATGCAGCCCCC  
 AGGACATGAAGGCTCACACCTCCATCCCTTGCTGGGTTATCAGGTGACTTCAGGGCCCCAGGGGACCC  
 TCGGGTTTTCCAGCTGCAACAGTCAGGCCAGCAGTACACCTTCAAGGCTGAGTCTGTGGAGCTGCAGGGC  
 CGCTGGGTGAGAGCTATCAAGCGTGCAGCCAGCGGCTGGACCCCGAGGGACCTGACGAAGAAGACATGT  
 CTGACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001107617
- Insert Size:** 1968 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:**

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\\_001107617.2](#), [NP\\_001101087.2](#)

**RefSeq Size:** 2770 bp

**RefSeq ORF:** 1968 bp

**Locus ID:** 309653

**Cytogenetics:** 20p12