

## Product datasheet for **RR207722**

### **Fgd3 (NM\_001108409) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fgd3 (NM_001108409) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fgd3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RR207722 representing NM\_001108409  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAATTGGGTAGGAGCTCCCCAACCCCAAGAAGAAGCCATTCCCCTCTTGGGGTACCTGATGCTG  
 GACTCAGAAGCTCCCCTAGGGGAGCTTCAAGCACTTCCTTCGGGTCAGGAGCTCCCCAAGGGGCTCA  
 GGGCAGCTCAGCCTCAGCAGGGGACAGCTCCTTGGGGGAGCCAAGTGGAGCCATGAAGATCCCCAACAGA  
 GACAGTGGAAATTGAAAGCCATCCTCCAGTGTGGCCAGTGAGAACTTCCTGTGAAGAGGGCAGTGAGG  
 GGTCTCCAAGCCCTGCCATCCTAGGGCTACACCCTGAGGTAGCTGTGGACAGCCGGGCCCCGAGGACAA  
 CCCCCAGAGGGAGAAGACAGTGGTGTGGGCGAGGACCCTGACCCCAAGATCACCCCGTGTAGGCCCTGAG  
 GAGGATGTCGGCTCGACTCAGTGTCTGACCCACAGAAGCTGCTTACATTGCCAGGAGCTCTGCACA  
 CGGAAGAAGCCTACGTGAAGCGGCTGCACCTGCTGGACCAGGTTTTCTGTCCAAGCTGACAGAAGCAGG  
 GATCCCTCCGGAAGTACCACGGGCATCTTCTAACATCTCTTATCTACCGCTCCACGGGCAGTTC  
 CTCTGCCTGGACTGAAGAAGAGGATCACAGAGGAGTGGGATACAAAGCCTCGTCTCGGAGACATCTGTC  
 AGAAACTGGCTCCGTTCCCTGAAGATGTATGGCGAGTACGTCAAGAAGCTTTGACAGAGCAATGGGGCTAGT  
 GAGCACGTGGACCCAGCCTTCTCCGAGTTAAGGACGTCATCCACACCATCCAGAAGCAGGAGGTGTGC  
 GGGAACTTGACCTGCAGCATCATATGCTGGAGCCTGTGCAGAGGGTCCCCCGCTATGAGCTGCTGCTCA  
 AGGACTACTTAAAGCGGCTCCCCAGGATGCCCCGGACCAGGAGGATGCTGAGAGGTCTTTGAACTCAT  
 CTCTATAGCTGCTGACCACTCCAATGCTGCCATTAGGAAGATGGAGAAAATGCACAAGCTTTAGAGGTG  
 TATGAGCAGCTGGGTGGGAGGAGGACATCGTTAACCCAGCCAATGAGCTGATCAAGGAGGGCAACATCC  
 AGAAGTTATCAGCCAAGAATGGCACCACTCAGGACCGACACCTTCTTGTCAACAATGTGATGCTCTA  
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 CAGGTGCAAGATGTCGTGAAACCAATGCTGCCCGCACATTCATCATAACAGGACGAAAAAGGTCCTGG  
 AGCTTCAGACTCGGACCGAAGAAGAGAAGAAAATGGATTAGATCGAGTCCAGAAAAGCTGTCCTCTAA  
 AACAGACCGCACAAGAGAAGCCGGGATGTAAGGCTGTGGTGAAGCTTCACTCCATCACCAGAGA  
 AGGTATCGCTGCAAGCTGTGTGGAGAGTCTGTAGGAAGTCTGAGTTCAAGGGGAGAACAGTA  
 AGCAGAGCCGTGCTGCAGAGAGTGTTCCTGGAGGAGCCCTGCTCCCTACAAGTCTAGCTCTGAGAC  
 TCCCACCGAGCTCAAACAGAATGCAGAGAAGCCTCCCTCTGTGGATCCTCGGCCAGCCTGCTCTGCGGT  
 ACCCTGAATCTGTGAGACAATGGTACGGCTGGAGTGGGTGTGGGAGCCATCCCTGAGTCAAGTCCCC  
 AGGTGCTAGACCTGCTGGCAGGCAGCCAGGCTGGCAAAGTGTGTATAGCATCCCACTCTCTGGCTGTAA  
 TATAACAGTGCCTGACCCCGAGGAGGGGCTGGAGGCTGGGTATGTGTGGAAGCTGCATCAGGGCTCACAG  
 ACCTGGTGGCTGAGTGGCCCTCCACAAAGCTTACGACGCGCTGGCTGGAAGCTCTGAGCACTGCCTCAC  
 GCGGGGACACAGCCGGGACACCCAGGGGCTCACAGCCCAGACCCAGCAAGCACGGACACCCCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR207722 representing NM\_001108409  
Red=Cloning site Green=Tags(s)

```
MELGRSSPTPQEEAISPLGVPDAGLRSSPLGKLQALPFGSGAPQGAQGSSASAGDSSLGEPGAMKIPNR
DSGIESPSSSVASENFPCEESESGSPSPAILGLHPEVAVDSRAPQDNPEGEDSGVGEDPDPKITPCRPE
EDVGTQCSDPQKLLHIAQELLHTEEAAYVKRLHLLDQVFCAKL TEAGIPPEVTTGIFSNISSIYRFHGQF
LLPGLKKRITEEWDTKPRLGDILQKLAPFLKMYGEYVKNFDRAMGLVSTWTQRSPQFKDVIHTIQKQEV
GNLTLQHMHLEPVQVRPRYELLKDYLRKLPDAPDRKDAERSLELISIAADHSNAAIRKMEKMHKLLLEV
YEQLGGEEDIVNPANELIKEGNIQKLSAKNGTTQDRHLFLFNNVMLYCVPKLRMLMGQKFSVREKMDISDL
QVQDVVKPNAARTFIITGRKRSLELQTRTEEEKKEWIQIESRKLSSKTRRDKKPKGCKSCGETFNSITKR
RYRCKLCGEVICRKCSEFKAENSKQSRVCRECFLEELLPTSPSSETPTLQNAEKPPSVDPKPSLLCG
TLNLDNGTAWSEVWAAIPESDPQVLDLLAGSQAGKLLYSIPLSGCNITVPDPEEGLEAGYVWKLHQGSQ
TWWLSAPSTKLQQRWLEALSTASRGDTAGDTPGASQPQTPASTDTP
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001108409

**ORF Size:** 2028 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001108409.1](#), [NP\\_001101879.1](#)

**RefSeq Size:** 2789 bp

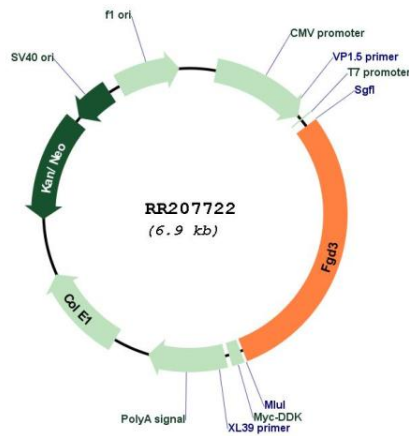
**RefSeq ORF:** 2031 bp

**Locus ID:** 361223

**Cytogenetics:** 17p14

**MW:** 74.7 kDa

**Product images:**



Circular map for RR207722