

Product datasheet for **RR207492**

Fgd1 (NM_001037546) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgd1 (NM_001037546) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fgd1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR207492 representing NM_001037546
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCCGGGTGCTTCTCCTCCTGAGCCATTCTCCGCCACCATCACGCCCTCTGCCTGCAGACCCTA
 GAGTGCCCAAGGGTCTTGCCCCAGAGCTGAGGCCAGCACTAGTTCTGCAGCAGTATCATATTGATCGA
 GAAGTTTGAAAGAGAGCCTGTGATTGTCGCTTCGGATAGGCCAGCCCCTGGCCCTGCCAGTTCACCCCA
 GAGCCAGCCATGTTGCCACAGCCACCCCGCAGCCAACAGGGTCCCAGCTCCCTGAGGGTGAAGGCTTCTC
 GCTGCCTGTTCTGCTGGCTCCTGGGCCCGGGATGGTGAGAAGGTGCCTAACCGGGACAGCGGCATTGA
 CAGCATCAGCTCGCCATCCAACAGTGAAGAGACCTGCTTCGTGATGACGGGCCCCCAGCCACAGC
 CTCTGTCTGGGCCCTGCCCTGGCTAGTATGCCAGTGGCTTTGGCCGACCCCAACCGGCTGGCTCCC
 AGGAGGTTGACAGTGACCTGGAAGAGGAAGAGGAGGAGGAAGAAGAGGAGGAAAAGGAAAGAGAAAT
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 GGCTGCTGGAAGAAGCTCGGAACCCGAGTTCCTTCCCTGCAGATGTTGTCCATGGCATCTTCTCTAACAT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR207492 representing NM_001037546
Red=Cloning site Green=Tags(s)

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MPRVLPPEPIPPPPSRPLPADPRVAKGLAPRAEASTSSAAVSSLIEKFEREPVIVASDRPAPGPCVPP
EPAMLPQPPPQPTGSQLPEGEASRCLFLLAPGPRDGEKVPNRDSGIDSISSPSNSEETCFVSDDGPPSHS
LCPGPPALASMPVALADPHRPGSQEVDSDLEEEEEEEEEEEEEKEREIPVPPMERQESVELTVQKVFHIA
NELLQTEKAYVSRLLHLLDQVFCARLLEEARNRSSFPADVVHGIFSNICSIYCFHQFLLPELEKRMEEWD
RYPRIGDILQKLAPFLKMYGEYVKNFDRAVELVNTWTERSTQFKVIIHEVQKEEACGNLTLQHHMLEPVQ
RIPRYELLLKDYLLKLPHGSPDSKDAQSLELIATAAEHSNAAIRKMERMHKLLKVYELLGGEEDIVSPT
KELIKEGHILKLSAKNGTTQDRYLILFNDRLLYCVPRLRLGQKFSVRARIDVDGMELKESNLNMPRTF
LVSGKQRSLELQARTEEEKDQWQAINSTLLKHEQTLETFKLLNSTNRDDEDTPPNPNVDLGRAPTPI
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CSQHTPQRRRSILEKQASVAAENSVICSFLHYMEKGGKGWKAWFVVPENEPLVLYIYGAPQDVKAQRS
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



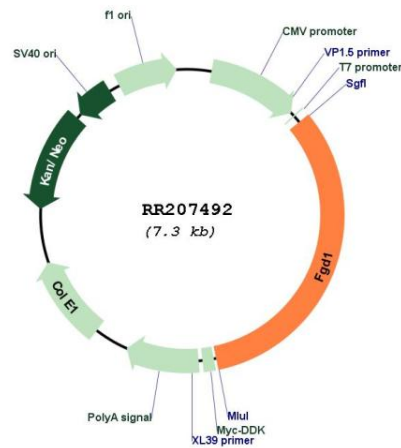
ACCN: NM_001037546

ORF Size: 2379 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:	<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_001037546.1, NP_001032635.1</u>
RefSeq Size:	3289 bp
RefSeq ORF:	2382 bp
Locus ID:	363460
Cytogenetics:	Xq12
MW:	89.2 kDa

Product images:


Circular map for RR207492