

Product datasheet for **RR205187**

Fzd1 (NM_021266) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fzd1 (NM_021266) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fzd1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR205187 representing NM_021266
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGAGGAGGCGGTGCCTAGCGAGTCCCGGGCCGCCGGCCGAGCTTGGAACTTTGTGCCGTAG
 CACTCCCCGGCCGGCGGAGGAGGTGGGGCACAGGACACGGCTGGCCACCGCCGCCCGGGCTGACTC
 CCGGTGCTGGGCTAGAGGGCTACTGCTGCTTCTTTGGCTGCTGGAGGCTCCTCTGCTTTTGGGGTCCGA
 GCGCAGGCGGGCCAGGTATCCGGGCGGGCCAGCAAGCTCCGCCGCCGCCAGCCACAGCAGGGCG
 GGCAGCAGTACAACGGCAACGGGGCATCTCCATCCCGGACCACGGCTACTGTCAGCCCATCTCCATCCC
 GCTGTGCACGGACATCGCGTACAATCAGACCATCATGCCAACCTGCTGGGCCACACGAATCAGGAGGAC
 GCCGGCTGGAGGTGCACCAGTTCTACCGTTGGTGAAGTGCAGTGTCTAGCCGAGCTCAAGTTCTTCC
 TGTGCTCCATGTACGCGCTGTGTGCACCGTACTGGAGCAGGCGCTGCCGCCCTGCCGCTCCTGTGCGA
 GCGCGCGCCAGGGCTCGGAGGCACTCATGAACAAGTTCGGCTTCCAGTGGCCAGACACGCTCAAGTGC
 GAGAAGTTCCTGTGCACGGCGCAGGAGAGCTGTGCGTGGGCCAGAACACTTCCGACAAAGGCACCCCGA
 CTCCTCCTTGCTGCCGAGTTCTGGACCAGCAATCCGACGACGGCGGGTGGTTACCGCGGGCGCTA
 CCCGGGAGGTGCCGGCCCGTGGAGCGGGGAAAGTTCTCCTGCCCGCGCCCTCAGGGTGCCTTCTAC
 CTCAACTATCACTTTCTGGGGGAGAAGGACTGCGGCGCGCCCTGCGAACCCACTAAAGTATACGGGCTCA
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 CTCCACGCTCTTACGGTGTACAGTACCTAGTAGACATGCGGCGCTTACGCTACCCGGAGCGGCCATT
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 TGGTGTGCAACGACAAGTTTGCAGAGGACGGGGCGGCACGGTGGCCAGGGCACTAAGAAGGAGGGGTG
 CACCATCCTCTTTATGATGCTCTACTTCTCAGCATGGCCAGCTCCATCTGGTGGGTAATCCTGTCCCTC
 ACCTGGTTCCTGGCAGCCGGCATGAAGTGGGGCCACGAAGCCATCGAGGCCAACTCACAATATTTTCACC
 TAGCCGCTGGGCTGTACCAGCCATTAAACTATAACCATCCTGGCGTGGGCCAAGTGGATGGCGACGT
 ACTGAGTGGAGTGTGTTTGTGGGGCTCAATAACGTGGATGCTCTGCGGGCTTTGTGCTGGCGCCGCTC
 TTCGCTATCTGTTATCGGCACCTCTTCTGCTGGCTGGTTTCGTGTCGCTCTCCGCATCCGCACCA
 TCATGAAGCATGACGGCACCAAGACAGAGAACTGGAAAAGCTCATGGTGGCATCGGAGTCTTCAGTGT
 GCTCTACACCGTCCGGCCACCATCGTCATCGCCTGCTACTTCTATGAGCAGGCCTTTCGGGACCAGTGG
 GAGCGCAGCTGGGTGGCCAGAGCTGCAAGAGTTATGCCATCCCTTGCCCTCACCTCAAGGAGGTGGAG
 GCGTCCCACACCCACCCATGAGCCCGACTTTACAGTCTTATGATCAAGTATCTCATGACGCTAAT
 TGTGGGCATCACATCAGGCTTCTGGATCTGGTCCGGCAAGACACTGAATTCCTGGAGGAAGTTCTACACG
 AGGCTTACCAACAGCAAACAGGGGGAGACTACCGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205187 representing NM_021266
 Red=Cloning site Green=Tags(s)

MAEEAVPSESRAAGRPSLELCAVALPGRREEVGHQDTAGHRRPRADSRWARGLLLLLLWLEAPLLLGVRAQAAGQVSGPGQQAPPPQPQQGGQYNGERGISIPDHGYCQPI SIPLCTDIAYNQTIMPNLLGHTNQEDAGLEVHQFYPLVKVQCSAELKFFLCSMYAPVCTVLEQALPPCRSLCERARQGCEALMNKFGFQWPDTLKCEKFPVHGAGELCVGQNTSDKGTPTPSLLPEFWTSNPQHGGGGYRGGYPGGAGPVERGKFCSPRALRVPSYLNHYHFLGEKDCGAPCEPTKVYGLMYFGPEELRF SRTWIGIWSVLCASLTFTVLTYLVDMRRFSYPERPIFLSGCYTAVAVAYIAGFLLEDREVVCNDKFAEDGARTVAQGTKEGCTILFMMLYFFSMASSIWWVILSLTWFLAAGMKWGHEAIEANSQYFHAAWAVPAIKTITILALGQVDGDVLSGVCFVGLNNVDALRGFVLAPLFVYLFIGTSFLLAGFVSLFRIRTIMKHDGKTEKLEKLMVRIGVFSVLYTVPATIVIACYFYEQAFRDQWERSWAQSCSKSYAIPCPHLQGGGVPPHPMPSPDFTVFMIKYMLTIVGITSGFWIWSGKTLNSWRKFYTRLTNSKQGETTV

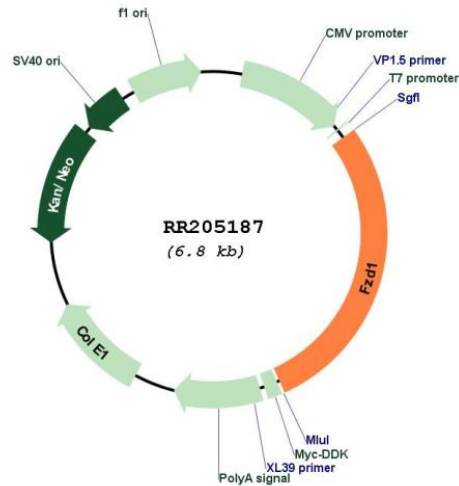
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_021266

ORF Size: 1926 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:	<u>NM_021266.3, NP_067089.2</u>
RefSeq Size:	4399 bp
RefSeq ORF:	1929 bp
Locus ID:	58868
Cytogenetics:	4q13
MW:	71.1 kDa
Gene Summary:	G-protein-coupled receptor; may mediate signals required for normal morphogenesis and differentiation; may play a role in bone resorption [RGD, Feb 2006]