

## Product datasheet for **RR207274**

### **Fzd9 (NM\_153305) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fzd9 (NM_153305) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fzd9
Synonyms:	rFz9
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR207274 representing NM\_153305  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGTGCCACCCTGCTCCGCGGGGCGCTGCTGCTGTGGCAGCTGCTGGCGACGGGCGCGCGCGC  
 TGGAGATCGGCCCTTTGATCCGAGCGCGCCGTGGCCCGCACCGTGCCAAGCGATGGAGATCCCCAT  
 GTGCCGGGCATCGGCTACAACCTGACCCGCATGCCAACCTACTGGCCACACGTCGCGAGGCGAGGCG  
 GCCGCGCAGCTGGCCGAGTTCTCGCTCTCGTGCAGTACGGCTGCCACAGCCACCTGCGCTTCTTCTCT  
 GCTCGCTACGCCCAATGTGCACCGACCAGGTCTCCACTCCCATCCCCGCTGCCGGCCATGTGCGA  
 GCAGGCTCGCTGCGCTGCGCCCCATCATGGAGCAATTCATTTTCGGCTGGCCGGACTCCCTCGACTGT  
 GCCCGGCTCCCACGCGCAACGACCCGACGCGCTCTGCATGGAGGCACCCGAGAAGCTACCGCAGGCC  
 CCACAGAACCCACAAGGGCCTGGGCATGCTTCTGTAGCACCTCGGCCGCGAGGCCACCGGGAGATTC  
 AGCCCCGGTCCGGCAGTGGAGGCACCTGCGACAACCCGAGAAGTTCCAGTACGTGGAGAAGAGTCGC  
 TCGTGCCTCCGCGCTGCGGGCCAGGCGTCGAGGTGTTCTGGTCTCGGCCGATAAAGACTTCGCGCTGG  
 TCTGGATGGCTGTGGTCCGCGTTGTGTTTCTTCCACGCGCTTACCCTGTTACCTTCTGCTGGA  
 GCCTCACCGATCCAGTACCCAGAGCGCCATAATCTTCTTTCCATGTGCTACAATGTCTACTCCTTG  
 GCCTTCTGATCAGAGCGGTGGCAGGTGCACAGAGTGTGGCTGCGACCAGGAGGCGGGGCTCTGTATG  
 TGATCCAGGAGGGTTTGGAAAACACAGGCTGCACCCTGGTCTTCTATTGCTCTATTATTTCCGGATGGC  
 CAGCTCACTTTGGTGGTGGTTTACTTCCACATGGCAGCGTGGGGTGGCCAGCACTCAAGACTATCGTGG  
 GCCATCGAGGCTACGGTAGTTACTTCCACATGGCAGCGTGGGGTGGCCAGCACTCAAGACTATCGTGG  
 TCCTGACTCTACGTAAGGTGGCTGGGATGAGCTGACTGGGCTCTGCTATGTAGTACTGACATGGACCCGGC  
 AGCTCTCACTGGCTTTGTGTTGGTGCCTTCTTCTGCTACTTGGTACTGGGCACCAAGTTTCTCTGACA  
 GGTTTTGTGGCTCTTCCATATCCGAAAATTATGAAGACGGGCGCACCAATACAGAGAAGCTGGAGA  
 AGCTGATGGTGAATAACGGAGTCTTTTCCATCCTTACACAGTGCAGGCTACCTGCGTCATTGTCTGCTA  
 TGTTTACGAACGCTCAACATGGACTTCTGGCGTCTTCCGGCCACAGAGCAACCATGCACTGCCGCTGCC  
 GTGCTGGAGGCCGAGAGACTGCTCGCTGCCAGGGGCTCGGTGCCACTGTGGCCGCTTTCATGCTCA  
 AAATCTTATGCTTGGTGGTGGGCATCACCAGTGGAGTCTGGGTATGGAGTTCCAAGACTTTCCAGAC  
 TTGGCAGAGTCTATGTTACCGAAAATGGCAGCTGGTTCGAGCCCGGCCAAGGCTGCCGAACCCAGGG  
 GGCTATGGCCGGGTACCACTGCACTACAAAGCCCCACGGTGGTCTTGCACATGACTAAGACAGACC  
 CCTCTCTGGAAACCCACACACCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR207274 representing NM\_153305  
 Red=Cloning site Green=Tags(s)

MAVPLLRLGALLLWQLLATGGAALIEGRFDPERGRGPAPCQAMEIPMCRGIGYNLTRMPNLLGHTSQGEA  
 AAQLAEFSPLVQYGHSHLRFFLCSLYAPMCTDQVSTPIACRPMCEQARLRCAPIMEQFNFGWPDSDLDC  
 ARLPTRNDPHALCMEAPENATAGPTEPHKGLGMLPVAPRPARPPGDSAPGPGSGGTCDNPEKFQYVEKSR  
 SCAPRCGPGVEVFWRRDKDFALVWMAVWSALCFSTAFVTFLLLEPHRFQYPERPIIFLSMCYNVYSL  
 AFLIRAVAGAQSVACDQEAGALYVIQGLENTGCTLVFLLLYFGMASSLWWVLTWFLAAGKKGHE  
 AIEAHGSYFHMAAWGLPALKTIIVLTLRKVAGDELTLGCYVASMDPAALTGFLVPLSCYLVLGTSFLLT  
 GFVALFHIRKIMKTGGTNTKLEKLMVKIGVFSILYTVPATCVIVCYVYERLNMDFWRLRATEQPCTAAA  
 VPGRRDCSLPGGSVPTVAVFMLKIFMSLVVGVITSGVWVWSSKTFQWQSLCYRKMMAAGRARAKACRTPG  
 GYGRGTHCHYKAPTIVLHMTKTDPSLENPTHL

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

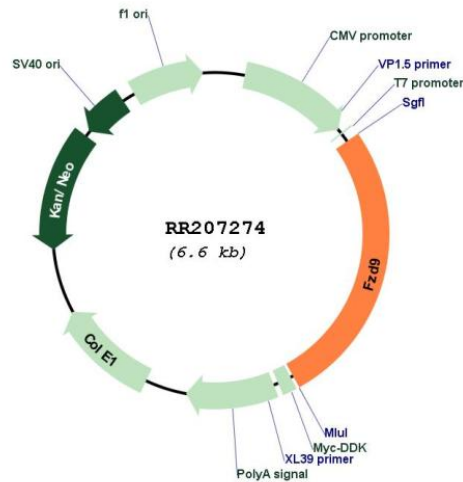
## Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



ACCN: NM\_153305

ORF Size: 1776 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_153305.1</a> , <a href="#">NP_695217.1</a>
<b>RefSeq Size:</b>	2315 bp
<b>RefSeq ORF:</b>	1779 bp
<b>Locus ID:</b>	266608
<b>UniProt ID:</b>	<a href="#">Q8K4C8</a>
<b>Cytogenetics:</b>	12q12
<b>MW:</b>	65 kDa
<b>Gene Summary:</b>	relocalizes axin from the cytoplasm to the plasma membrane [RGD, Feb 2006]