

Product datasheet for **RR214815**

Fzd5 (NM_173838) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fzd5 (NM_173838) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fzd5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR214815 representing NM_173838
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTAGACCCGACCCGTCGCGCCGCCCTCTCTTCTGTGCTGTTGCTGGCACAGCTGGTGGGCCGGG
 CAGCGGCCGCTCCAAGGCCAGTGTGCCAGGAAATCACGGTGCCATGTGCCGCGCATCGGCTACAA
 CCTGACGCACATGCCAACCAGTTCAACCATGACACTCAGGACGAAGCAGGCCTGGAGGTGCACCAATTC
 TGGCCGCTGGTGGAGATCCACTGTTCCCCGACCTGCGCTTCTTCTGTGCTCCATGTACACGCCCATCT
 GCTTGCTGACTACCACAAGCCGCTACCACCGTCCGCTCCGTGTGCGAGCGGCCAAGGCCGGTCTC
 GCCACTCATGCGCCAGTACGGCTTCGCCTGGCCCGAGCGCATGAGCTGCGACCGCTCCCAGTGTGGGC
 GGGCAGCTGAGGTTCTGTGCATGGATTATAACCGAAGTGAAGCCACCACCGCTCCCCTAAGTCCTTCC
 CGGCCAAACCCACTCCAGGACCACCAGGGGCCATCTTCCGGGGCGAATGTCCTCGGGAGGCC
 GTCTGTGTGCACGTGCCGCGAGCCCTTCGTGCCATCCTGAAGGAGTACACCCACTCTACAACAAGGTG
 CGACCCGCAAGTGCCAACTGCGCAGTGCCCTGCTACCAGCCGCTTTCAGCCCGGATGAGCGCACGT
 TCGCCACCTTCTGGATTGGCTGTGGTCTGTGCTGTGCTTTCATCTCCACGTCCACCACTGTAGCGACCT
 CCTCATTGACATGGAACGATTCCGCTACCTGAGCGCCCATCATCTTCTGTCTGCGTGTACCTGTGT
 GTGTCACCTGGGATTTGGTGGCGCTGGTTGTAGGCCATGCCAGCGTCCGCTGCAGCCGAGAGCACAGCC
 ACATTCATATGAGACTACCGCCCTGCGCTGTGCACAGTCGCTTCTTCTTAGTCTACTTCTTTGGCAT
 GGCCAGCTCCATCTGGTGGGTATCCTGTGCTCACCTGGTCTTGGCGGCTGGCATGAAGTGGGCAAT
 GAAGCCATCGCAGGCTATGCACAGTACTCCACCTTGTGCTGCGTCCATCCCAGCGTCAAGTCCATTA
 CGCGCTGGCACTGAGCTCCGTGGACGGAGACCAGTGGCTGGCGTCTGTTATGTGGCAACCAAACT
 GAATTCGCTACGAGGCTTGTCTTGGGCCACTGGTGTGTACCTGTTGGTGGCACGCTCTTCTTCTG
 GAGGCTTCTGTGCTACTTCCGCATCCGAGCGTCATCAAGCAGGGTGGCACTAAGACGGACAAGCTAG
 AGAAGCTCATGATCCGCATTGGCATCTTACTCTGCTCTACACGGTGCCAGCCAGCATCGTGGTGGCCTG
 CTACCTGTATGAACAGCACTATCGGGAGAGCTGGGAGGCAGCCCTCACCTGCGCGTGTCCGGGTGCGAC
 GCTGGCCAGCCACGCGCCAAACCCGAGTACTGGTGTCTCATGCTCAAGTACTTTCATGTGCTGGTGGTGG
 GCATCACGTCGGGAGTCTGGATCTGGTCCGAAAGACCCTGGAGTCTTGGCGGCGCTTACCAGCCGCTG
 CTGCTGCAGCTCTCGACGGGCCATAAAAGCGGTGGCGCTATGGTGCAGGAGACTATGCGGAGGCCAGC
 GCCGCACTCACTGGCAGGACCGGCCCGCGGCCCGCCGCGCCGATACCACAAGCAAGTGTCCCTGTGCG
 ACGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>RR214815 representing NM_173838
 Red=Cloning site Green=Tags(s)

MARPDPSAPPSLLLLLLAQLVGRAAAASKAPVCQEITVPMCRGIGYNLTHMPNQFNHDTQDEAGLEVHQF
 WPLVEIHCSPDLRFFLCSTMYTPICLPDYHKPLPPCRSVCERAKAGCSPLMRQYGFAPPERMSCDRLPVLG
 GDAEVLCMDYNRSEATTASPKSFPKPTLPGPPGAPSSGGECPSSGSPVCTCREPFVPIKESHPLYNKV
 RTGQVPNCAVPCYQPSFSPDERFATFWIGLWSVLCFISTSTTVATFLIDMERFRYPPIIFLSACYLC
 VSLGFLVRLVVGHASVACSREHSHIHETTPALCTVVFLVYFFGMASIIWVILSLTWFLAAGMKWGN
 EAIAGYAQYFHLAAWLIPSVKSITALALSSVDGDPVAGVCYVGNQNLNSLRGFVLGPLVLYLVGTLFLL
 AGFVSLFRIRSVIKQGGTKDKLEKLMIRIGIFTLTYVTPASIVVACYLEQHYRESWEAALTCACPGSD
 AGQPRAKPEYVWMLKYMCLVVGITSGVWIWSGKTLESWRRFTSRCCSSRRGHKSGGMVAGDYAEAS
 AALTGRTGPPGPAAYHKQVSLSHV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

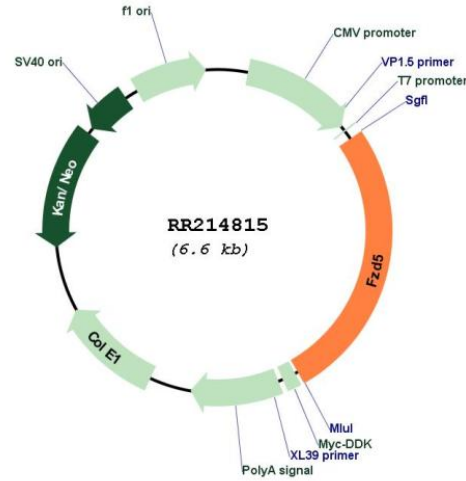
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_173838

ORF Size:	1755 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:	NM_173838.1 , NP_776210.1
RefSeq Size:	1758 bp
RefSeq ORF:	1758 bp
Locus ID:	317674
UniProt ID:	Q8CHL0
Cytogenetics:	9q32
MW:	64.1 kDa
Gene Summary:	forms a receptor complex with Lpr6 that binds Wnt7A proteins [RGD, Feb 2006]