

Product datasheet for **RR216950**

Fzd10 (NM_001271192) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fzd10 (NM_001271192) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fzd10
Synonyms:	Fzd10-ps1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR216950 representing NM_001271192
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAACACCCGGGCCACGCCTGTGGCTGATGCTGCAGGTAATGATGGTTTCGTGCGCGGCCATCAGT
 CCATGGACTTAGAGCGCCCTGGAGACGGCAAGTGCCAGCCGGTGGAGATCCCATGTGCAAGGACATCGG
 CTACAACACCACCCGCATGCCAACCTGATGGGCCACGAGAACCAGCGGGAGCGGCCATCCAACCTGCAT
 GAGTTCGCGCCGCTCGTGGAGTACGGCTGCCACGGCCACCTCCGTTCTTCTTGTGCTCGTGTACGCGC
 CCATGTGCACCGAGCAGGTCTCCACACCCATCCCTGCTTGCCGGGTATGTGCGAGCAGGCCCGGCTCAA
 GTGCTCGCCGATCATGGAGCAGTTAAATTAGGTGGCCGGACTCCCTGGATTGCAGCAAACCTCCCAAC
 AAGAACGATCCCAACTACCTGTGCATGGAGGCACCAACAACGGTCCGATGAGCCAGCCGTGGCTCTG
 GCATGTTCCCTCCGCTCTTCAGGCCCCAGAGGCCACAGCGCGCAAGAGCACCCACTAAGGACGGGGG
 TCCCGGGCGCGCAGGCTGTGACAACCCAGGCAAGTTCACCACGTGGAGAAGAGCGAATCCTGCGCACCG
 CTCTGCACTCCGGGGGTGGATGTGATTGGAGCCGCGACGACAAGCGCTTCGCTGTGGTCTGGCTGGCCA
 TCTGGTCCGTGCTGTGTTTCTTCTCCAGCGCCTTACCCTGCTCACCTTCTCATCGACCCATCACGCTT
 CAGGTACCCCGAACGTCCCATCATCTTTCTCTCCATGTGCTACTGCGTTTATTCTGTGGGTATATCATC
 CGCCTCTTCGCGGGCGCGGAGAGCATTGCCTGCGACCGGGACAGTGGGCAGCTGTATGTTATCCAGGAAG
 GGCTGGAGAGCACGGGCTGTACCTTAGTCTTCTTGGTACTTTACTACTTCGGCATGGCCAGCTCTTTATG
 GTGGGTGGTCTCACCTCACTTGGTTCCTGGCTGCTGGCAGGAAGTGGGCCATGAGGCCATTGAAGCC
 AACAGCAGCTACTTTCACCTGGCAGCCTGGGCCATCCCGGCTGTGAAGACCATCTTGATCCTGGTGATGC
 GCAGGGTGGCAGGGGATGAGCTCACTGGTGTGTTATGTGGGCAGCATGGATGTCAATGCTCTGACCCGG
 CTTCTGCTGGTCCCGCTGGCTTGCTACCTAGTCACTCGGCACTTCTTCACTCTGTCTGGCTTTGTGGCT
 TTATTCACATCCGGAGGGTGTGAAAACAGGTGGGGAGAACACGGACAAGCTGGAGAAGCTCATGGTAC
 GCATAGGGGTCTTCTCCCTCTCTACACCGTCCGGCCACCTGTGTGATTGCTTGTACTTTTATGAACG
 CCTCAACATGGATTACTGGAAGATGCTGGCCACCCAGCACAAGTGTAAAACGAACAATCAGACCAAGACA
 GCCGACTGCCTGATGACCACCTCCATCCCTGCTGTGGAGGTCTTCATGGTCAAAGTGTCCATGCTTCTGG
 TGGTGGCATTACCAGTGGGGTGTGGGTCTGGACTTCCAAGACCTGCAATCCTGGCAACAGGTATGCAG
 CCGGGGGTTAAAGAGAAAAAGCCGGAGGAAACCAGCCAGTGTGGTACCAGTGCAGGGATCTACAAAAAA
 GCCCAGCACCCCAAAAACCTCATCTTGGGAAGTATGAGCTTCTGCTCAGCCTCAGCCTGCGTG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216950 representing NM_001271192
 Red=Cloning site Green=Tags(s)

MQHPGPRLLWMLQVMMGSCAAISSMDLERPGDGKQPVEIPMCKDIGYNTTRMPNLMGHENQREAAIQLH
 EFAPLVEYGCHGLRFFLCSLYAPMCTEQVSTPIPACRVMCEQARLKCSPIMEQFKFRWPDSDLCSKLPN
 KNDPNYLCMEAPNNGSDEPSRSGMFPPLFRPQRPHSAQEHLKDGPGRAGCDNPGKFHHVEKSESCAP
 LCTPGVDVYWSRDDKRFVAVWLAIWSVLCFFSSAFTVLTFLIDPSRFRYPERPFIIFLSMCYCVYSVGYII
 RLFAGAESIAACDRDSGQLYVIQEGLESTGCTLVFLVLYYFGMASSLWWWLTLTWFLAAGRKGWHEAIEA
 NSSYFHLAAWAIPAVKTIILVMRRVAGDELTVGCYVGSMDVNALTFVLPVPLACYLVIGTSFILSGFVA
 LFHIRRVMKTGGENTDKLEKLMVRIGVFSLLYTPATCVIACYFYERLNMDYWKMLATQHKCKTNNQTKT
 ADCLMTTISIPAVEVFMVKVSMMLLVVIGITSGVWVWTSKTLQSWQQVCSRGLKRKSRKRPASVVTSAGIYKK
 AQHPQKPHLQKYLPAQPSACV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001271192

ORF Size: 1746 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_001271192.1](#), [NP_001258121.1](#)

RefSeq Size: 3196 bp

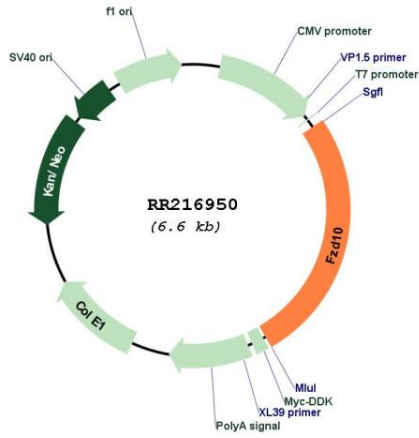
RefSeq ORF: 1749 bp

Locus ID: 363913

Cytogenetics: 12q13

MW: 65.3 kDa

Product images:



Circular map for RR216950