

Product datasheet for **RR201388**

Fzd6 (NM_001130536) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fzd6 (NM_001130536) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fzd6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR201388 representing NM_001130536
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAAGCGTCCCGTTTCTGTGCGCCTGCATTCTTCTGCCCTCATAAGAGGGCACAGCCTTTTACCT
 GTGAGCCAATCACTGTTCCAGATGTATGAAAATGGCCTACAACATGACGTTTTTCCCTAACCTGATGGG
 TCATTATGACCAGGGCATTGCTGCTGTGAAAATGGAGCACTTTCTGCCTCTTGCAAATCTGGAATGTTCA
 CCAAACATTGAAATGTTTCTTTGCCAAGCTTTTGTACCAACTGCACAGAGCAAATTGATGTGGTTTAC
 CTTGTGCGAAAATTGTGTGAGAAAATACTTTCTGATTGCCAAAAGTTAATGGACACTTTTGGGATCCGATG
 GCCTGAAGAACTGAATGTCACAGATTGCCGACTGTGATGGCGCTTTCCTGTTACTTCTGATCCACAC
 ACAGAGCTTTTTGGTCCACAGAAGAAAACAGATCAAGTCCAAGGGACATTGGATTTTGGTGTCAAAGC
 ACCTTAGGACTTCGGGGACCAAGGCTATAGGTTTCTGGGAATTGACCAGTGTGCCCTCCGTGCTCTAA
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 TTATATACTACTCCGTCTGTTACAGCATCGTCTCTCATGTACTTTGTTGGGTTTTTGTGGGCAATAG
 CACAGCTTGAATAAGGCAGATGAGAAGCTGGAACCGGGAACACAGTCGTTCTAGGGTCAAAGAATAAG
 GCTTGCAGCGTGGTGTATGTTTCTGTACTTTTTCAATGGCCGGCACCCTGTGGTGGGTGATCCTCA
 CCATTACGTGGTCTTAGCCGCCGAAGAAAATGGAGTTGCGAAGCTATTGAACAAAAGCAGTGTGGTT
 TCACGCCGTTGCCTGGGGATGCCCGGTTCTGACTGTCATGCTGCTCGCTATGAACAAGGTTGAAGGA
 GACAACATTAGCGCGTTTGGCTTCGTTGGCCTGTATGACTTAGATGCCTCCCGCTACTTCGTCTTCTGC
 CTCTGTGCCTCTGTGTGTTTGTGGGCTGTCTCCTCTTAGCTGGCATCATTTCCCTTAAATCACGTTTCG
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 AGTGGCCTGTATCTGTGCCCTTAGTGACGCTTCTGGCTGCTATGTCTATGAGCTAGTGAACAGGGTCA
 CCTGGGAGATGACGTGGTCTCTGATCACTGTCACCAGTACCGCATCCCGTGTCTTACCAGGCAAACCC
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 GTCTTCTGGGTTGAAGCAAAAAGACGTGCACAGAATGGGCCGGGTTCTGTAAGCGAAAACCGCAAGCGG
 ACCCCATCAGTGAGAGCCGAAGAGTGTGCAAGAGTCTGTGAGTCTTCTCTGAAGCACAATTCAAAGT
 GAGGCACAAGAAGAAGCATGGCAAACAGGCTCACATAAACTGAAGGTCAATTTCAAAGTCCATGGGAACT
 AGCACGGGCGTGACCACAGACCATGGCACCTCTGCCGTAGCAATTGCCGACCATGATTACTTAGGGCAGG
 AAACCTCAGCAGAAGTCCAGACCTCCCCAGAAGCATCCCTGAAAGAGGGGAGAGCAGACCGAGCAAACAC
 GCCCAGAGCCAAAGTCCAGACTGTGGAGAACCTGCTTCCACAGCAGCGTCCAACCTCAAGTTCTCTGGG
 GACCAGATCGACAGGAAAAGCCGAGCAGGCAGCGTGAAGGAGAAAAGCAGCGTATCGGAAGGGGCTCCAA
 GTGAAGGAAGGGTAAGTCCAAAGGGCGTTCTGGGACTGGCCTGATGGAGTGCACTTTACAGATCCCCAG
 CTCTCCAGAACCAACAGCCTCAAAGGTTCCACATCTCTGCTTGTTCGCTCAGCTTCCGAACTAGGAAA
 GAGCAGGGTGTGGCGGCCATTCTGATACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR201388 representing NM_001130536
 Red=Cloning site Green=Tags(s)

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MEASPFLSACILLPLIRGHSLFTCEPITVPRCMK MAYNMTFFPNLMGHYDQGIAAVEMEHFLPLANLECS
PNIEMFLCQAFVPTCTEQIDVVSPCRKLCEKILSDCQKLMDFGIRWPEELECHRLPYCDGAVPVTSDPH
TELFGPQKKTQVPRDIGFWCPKHLRTSGDQGYRFLGIDQCAPPNMYFKSDELDFAKSFIGIVSIFCL
CATLFTFLTFLIDVRRFRYPERP I IYYSVCYSIVSLMYFVGFLLGNSTACNKADEKLELGNTVVLGSKNK
ACSVVFMFLYFFTMAGTVWVWVILITITWFLAAGRKWSCEAIEQKAVWFHAVAWGMPGFLTVMLLAMNKVEG
DNISGVCFVGLYDLASRYFVLLPLCLCVFVGLSLLLAGIISLNHVRQVIQHDGRNQEKLKKFMIRIGVF
SGLYLVPVLTLLGCYVYELVNRVTWEMTWFSDHCHQYRIPCPYQANPKARPELALFMIKYLMTLIVGISA
VFVWGSKKTCTEWAGFCKRNRKRDPISESRRVLQESCEFFLKHNSKVRHKKKHGKPGSHKLVISKSMGT
STGVTDDHGTSAVAIADHDYLGQETSAEVQTSPEASLKEGRADRANTPRAKGPDCGEPASTAASNKFSG
DQIDRKSRAKSVKEKSSVSEGAPSEGRVSPKGVPGTGLMECTLQIPSSPEPNSLKGSTLLVRSASGTRK
EQGAGGHSDT
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3158_c08.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001130536

ORF Size: 2130 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001130536.1](#), [NP_001124008.1](#)

RefSeq Size: 4202 bp

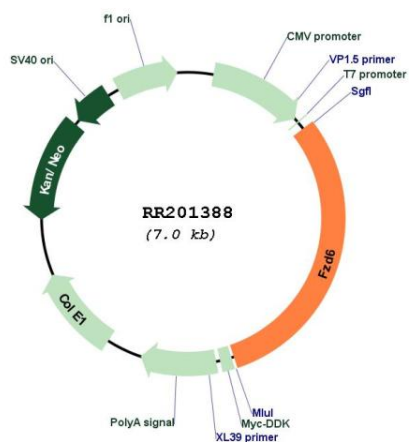
RefSeq ORF: 2133 bp

Locus ID: 282581

Cytogenetics: 7q22

MW: 79.1 kDa

Product images:



Circular map for RR201388