

Product datasheet for **RR202684**

Fzr1 (NM_001108074) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fzr1 (NM_001108074) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fzr1
Synonyms:	Cdh1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR202684 representing NM_001108074
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCAGGACTATGAGCGACGGCTCCTGCGACAGATCATCATCCAAAATGAGAACACCGTGCCGTGTG
 TCTCAGAGATGCGGAGAACCCTGACACCAGCCAACCTCCCAAGTGTCTCTCCAGCAAGCATGGTGACCG
 TTTCATCCCTCGCGGGCCGGGCAACTGGAGCGTAACTTCCATAGGATCAATGAAAATGAGAAGTCC
 CCCAGCCAGAACCAGCAAGGATGCCACCTCAGACAACGGCAAAGATGGCCTTGCTTACTCCGCAC
 TGCTGAAGAAATGAGCTGCTGGGTGCCGGCATCGAGAAGGTGCAGGACCCACAGACAGAGGATCGCGGGT
 GCAGCCATCCACCCAGAGCACAAGGGTCTCTTTACGTATTCCCTCAGCAGCAAGCGCTCGAGTCCAGAT
 GATGGCAACGACGTGTCCCATATTCTCTATCCCAAGTGTAGCAACAAAAGTCAAGGCTGCTGCGGTGCG
 CTCGGAAGCCACGCGCAAGATTTCAAGATTCCTTCAAGGTGCTGGACGCGCCAGAGCTTCAGGACGA
 CTTCTACCTCAACTGGTGGACTGGTCTCCCTCAATGTGCTCAGCGTGGGGCTAGGCACCTGCGTGTAC
 CTGTGGAGCGCATGCACCAGCCAGGTGACCCGGCTCTGTGACCTCTCCGTAGAAGGGGACTCAGTGA
 CCGTGGGCTGGTCTGAGCGGGGAACTGGTGGCAGTCCGCACACATAAGGGCTTCGTGCAGATCTGGGA
 TGCTGCCGCTGGCAAGAAGTATCTGTGCTGGAGGGACACACAGCGCGCTGGGGGCGTGGCCTGGAAT
 GCTGACCAGTGTATCCGGTAGCCGGGACCGCATGATCTGCAACGGGACATCCGCACACCAGCACTGC
 AGTCAGAGCGGGCTGCAAGGCCATCGACAGGAAGTATGCGGCCTGAAGTGGTCCACAGACCACCAGCT
 GCTCGCTCGGGGGCAATGACAACAAGCTGCTCGTGTGGAACCACTCAAGTCTAAGCCCTGTGCAGCAG
 TACACGGAGCACCTGGCAGCCGTGAAGGCTATTGCCTGGTCAACACACAGCATGGACTGCTGGCCTCTG
 GTGGTGGCACTGCCGACCGTGCATCCGGTCTGGAACACTCTGACAGGCCAGCCTCTGCAGTGCATTGA
 CACAGGCTCACAAAGTGTGCAACCTGGCCTGGTCCAAGCATGCCAACGAGCTGGTGAACACACATGGCTAC
 TCACAGAACCAGATCCTCGTGTGGAAGTACCCGTCCTTACACAGGTGGCCAAGCTCACTGGCCACTCGT
 ATCGTGTCTCTACCTGGCCATGTCCCCTGACGGGGAGGCCATCGTCACTGGAGCTGGAGATGAGACCC
 TCGGTTCTGGAACGTCTCAGCAAGACACGCTCTACAAAGGAATCCGTGTCTGTGCTCAACCTCTTACC
 CGGATCCGA

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202684 representing NM_001108074
 Red=Cloning site Green=Tags(s)

MDQDYERRLLRQIIIQNENTVPCVSEMRRTLTPANSPVSSPSKHGDRFIPSRAGANWSVNFHRINENEKS
 PSQNRKAKDATSDNGKDGLAYSALLKNELLGAGIEKVQDPQTEDRRLQPSTPEHKGLFTYSLSSKRSSPD
 DGNDVSPYSLSPVSNKSQKLLRSPRPKTRKISKIPFKVLDAPELQDDFYLNLDVWSSLNVL SVGLGTCVY
 LWSACTSQVTRLCDLSVEGDSVTSVGSERGNL VAVGTHKGFVQIWDAAAGKKL SVLEGHTARV GALAWN
 ADQLSSGSRDRMILQRDIRTPALQSERRLQGHRQEVCGLKWSTDHQLLASGGNDNKL LVNHSSLSPVQQ
 YTEHLAAVKAIAWSPHQHGLLASGGTADRCIRFWNTLTGQPLQCIDTGSQVCNLAWSKHANELVSTHGY
 SQNQILVWKYPSLTQVAKLTGHSYRVL YLAMSPDGEAIVTGAGDETLRFWNVFSKTRSTKESVSVLNLFT
 RIR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

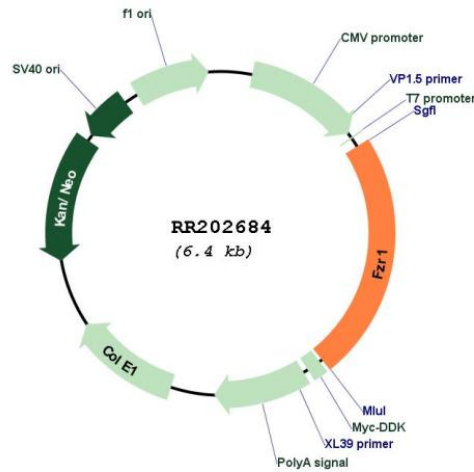
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001108074

ORF Size: 1479 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_001108074.2](#), [NP_001101544.2](#)

RefSeq Size: 1821 bp

RefSeq ORF: 1482 bp

Locus ID: 314642

Cytogenetics: 7q11

MW: 54.6 kDa