

## Product datasheet for **RR207375**

### Fhdc1 (NM\_001106437) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fhdc1 (NM_001106437) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fhdc1
Synonyms:	RGD1311955
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR207375 representing NM_001106437 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCATGTCATGAACTGTGTCTCCCTGGCCGGCGACAAAGAAAATGGAACCTTGCCACAGCAGCTGCAT  
TCATGACTGGGCAGAGCTCACCTCTGCTTCTCCTGCACCTCCTCCTCCACCGCCTCCACCTCCACCTG  
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AGAAACGAATGCGAAGCTTCTTCTGAAAACCATTCCAGAGGAGCAAGTCCGAGGCAAGACCAACATCTG  
GACCTTAGCAGCAAGCAGCAGCATCACTACCAGATCGACAAGAAGACCTCGAGGAGCTTTTTGGGCAG  
CAAGAAGACACCTCCAAGGCTTCTCCTCCCAAGAGAGGAGGAGCTTTGAATTCGTCCTTCAGAGATGCC  
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ACCTACCCTCCTTTCTGAAGCCAGGCCAACAGCCCCTCTACCGGCCCCCAACACCCGTCGCTCCC  
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ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR207375 representing NM\_001106437  
 Red=Cloning site Green=Tags(s)

MHVMNCVSLAGDKENGLATAAAFMTGQTSPSASPAPPPPPPPPPPCPHSGEGFPPSPPPPLPPPLPGGP  
 PVPPPPGLPPASYLNGYSSLGKKRMRSF FWKTIPEEQVRGKTNIWTLAAKQQHHYQIDKKTIEELFGQ  
 QEDTSKASLPKRGALNSSFRDAREEIAVLDAKRSMNIGIFLKQFKKSPQSIVEDIHQGRSEHYGSETLR  
 EILKLLPESEEVKLLKTFNGDVSLSLADSFYLCIQVPNYSLRIEAMVLKKEFLPFCTSLYKDITTLRA  
 AMKELMLCEELHSILHLVLQAGNIMNAGGYAGNAVGFKLSLLKLADTKANKPGMNLLHFVAQEAQKHNT  
 ILLNFSEKLQQVQETSRLSLDIIIEAELHSLFVRTKSLRENIQRDQELRQQMEDFLQFAVEKLAELWKR  
 ELQVEAHTLIDFFCEDKTMKLECFQIFRDFCTRFNKAVKDNHDREEQERKQLRQLKELEQKRHSWTTG  
 ELGGFGRSSSENDVQMLAKKGTEDLPSFLKPRPNPSYRPPNTRRSRLSLGISADRELLTFLESATSSPE  
 DPNKFNSLPRSSPRQTRPTIAWMEPREQETHGPVFTHPDQASKNQEQTPHPAWQNHLPPSWLGEVSPSP  
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 PPLGDKSSQPF DAGGDSRAPKDTDPREALSPAGEDDRAISDEPSSEALVSVVVTDTEKDPGSLLYVSDT  
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 QPRASFRKPSAKPLRNIPRQKPEENKVSSPNRDPESPKEPKAPQAPGASRALPPTPSFARNTVASSSR  
 SMRADAPPAARATGITRVSQRQLRVKSGSEDSASKDSGLTKRASSARASKKCPESAGGSSANVETPLKG  
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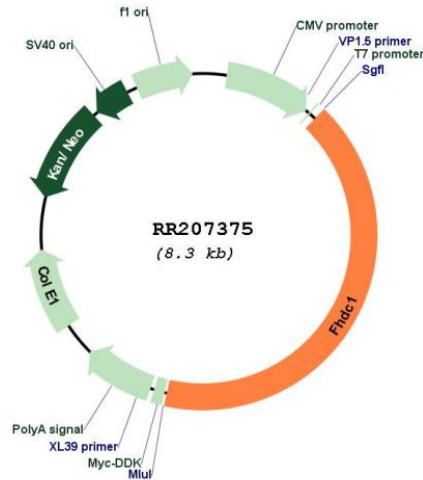
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



## Plasmid Map:



ACCN: NM\_001106437

ORF Size: 3444 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\\_001106437.1](#), [NP\\_001099907.1](#)

RefSeq Size: 4119 bp

RefSeq ORF: 3447 bp

Locus ID: 295161

Cytogenetics: 2q34

MW: 125.6 kDa