

Product datasheet for **RR206999**

Exo5 (NM_001107973) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Exo5 (NM_001107973) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Exo5
Synonyms: Dem1; RGD1309802
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206999 representing NM_001107973
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGAGACCGGGGAAGAGGAGACAGCATCAGCAGAAGCCTCAGGGTCTCAGACATAAGTGACTCCG
 AGTTAGTAGAGTTTCTGGACCTGGAAGATGCCAAAGAATCAGCTGTTTCACTTAGCAAGCCTGGCCCTTC
 TTCTGAACTCCCTGGGAAGGATGACAAACCTGTAAGCTTGCAGAACTGTAAAAGGGGATTGGATGTCCTG
 TCACCCATGGATAGATTCCAATTGAAGTATTTATATGTCAGTACCTGTGTACTCAGGACTGGTGTGAGT
 TGCAGATGGTGTATGGGAAGGAACCTCCTGGTTCTTTGACACCTGAGAAGGCAGCTGTTTTGGACATTGG
 TGCTAGCATCCACCTAGCAAAAGAACTAGAACTTCATGACCTTGTGACAGTCCCCACCACCACTAAAGAA
 GATGCTTGGGCAGTTAAGTTTCTGAACATACTATCAATGGTTCCTACCCTACAGTCAGAAGGGCGCATCA
 GAGAGTTTCCAGTGTGGGGGAAGTGGAGGGAATCTTTCTTGGTGGAGTGATTGATGAGTTGCACTACAC
 ATCCAAGGGGGAACCTGGAGCTGGCTGAACCAAGACACGAAGGCGCCCTGTGCTCCCCCTGTCAGCTCAG
 AAAAAGAAAGACTATTTTCAAGTTAGTCTATACAAATATATCTTTGATGCCATGGTACAAGGGAAGGTGA
 CTCCTGCTAGTCTAATCCACCACACTAAATTTGTGTGAGACAAGCCACTGGGGCCTTCAGTGTGAGGCA
 TGCCAGGCAAGGAGGTGTGTGTAATACTCTGGGCGACCTTATGGAAGTGGTTTTCTTATCTCTTACA
 CTGTCTGATCTCCAGCTATTGATACCCTAAAACCTTGTGATGTCCATCAAGAGACTGCCACTACATTGG
 GCACAGAGATTGTAGCCTTTGAAGAGAAAGAGGTGAAAAGCAAGGTGCGGCATTTTGTGGCCTACTGGAT
 GGGCCCGCAGACCCTCAAGGCTTGTGTGGAAGAGGCATGGAAGTGTGCGACCTGTGACTATGTGGAC
 ATCTGCGAGTGGAGGAGGAGCAGTGAATGCTCAGCTCTTTGAGGGAGCCCAAAGCCAAGAAGTTGAAG

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206999 representing NM_001107973
Red=Cloning site Green=Tags(s)

MAETGEEETASAEASGFSDISDSSELVEFLDLEDAKESAVSLSKPGPSSSELPKDDKPVSLQNKRGDLVLS
 SPMDRFHLKYL YVTDLCTQDWCELMQVYGKELPGSLTPEKAAVLDIGASIH LAKELELHDLVTVP TTTKE
 DAWAVKFLNILSMVPTLQSEGRIREFPVFGEVEGIFLVGVIDELHYTSKGELELAELKTRRRPVLPLSAQ
 KKKDYFQVSLYK YIFDAMVQGVTPASLIHHTKLCVDKPLGPSVLRHARQGGVSVKSLGDLMELVFLSLT
 LSDLPAIDTLKLEYVHQETATTLGTEIVAFEKEVKSKVRHFVAYWMGRRDPQGVVVEEAWKCRTCDYVD
 ICEWRRSSGMLSSLREPKAKLLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

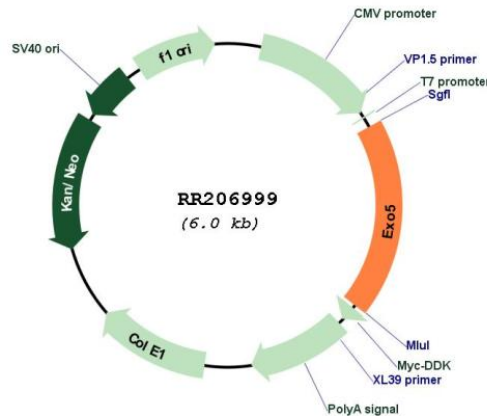
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107973

ORF Size:	1119 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_001107973.1 , NP_001101443.1
RefSeq Size:	2016 bp
RefSeq ORF:	1122 bp
Locus ID:	313563
Cytogenetics:	5q36
MW:	41.7 kDa