

Product datasheet for **RR205745**

RGD1310852 (NM_001025007) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RGD1310852 (NM_001025007) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RGD1310852
Synonyms:	MGC108982
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR205745 representing NM_001025007 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGACCGGATGCTGGGTGCTGGGCGGCGAATTTGAGGATTCGGTGTTTCGAGCAGAAGCCGGAGCGCC
 AGCCTGAGCCGCCCTCCTCTATGGCGCAAGCTCTGCGAGCCGAGTGGTTTTATGAAGAGACGGAAG
 TAGCAACGATATTGAAGTTCTCACTCTCAAGAAATTCAGAGGGGACCTGGCGTACAGACGACAGGAATAC
 GAGAAAGCTCTGCAGGAGTACTCCAGTATCTCAAACAGCTGCCATCTACCAATTTGCCATGAAAAGG
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 GGACCTGGAAAGCAAAGCAACACAGAGCATCTGACCTCGGCCTCTCCCTCCACCTGGCTATCTTT
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 CTTGGAGCTGGTGAACTGGCAGAGGCATACCTGAGTCCAGGGCCAGACCTGCCAGCATTGGGTGAGTC
 ACCTCAGGGACAGAAGAGTTCTGCTTCAAGTGACAAGGCTGTGAGGGCCCTCTGTACACTCGGGAACA
 GGCTGTCTGCCATTCCCTGCACCTCACCTGACAGTGCAGTGTCTCCGTGGAAGCAAGTGGCTGTGATA
 CTCAGCAGGATATGCAGAATTGCCTGGCAGCACGGAGGGCAGCAGCACAGACGGAGGCCAGAGGAAAGC
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 GAGAAGAACTTGAGGACTCAGCAGGAAATTCACAGAAAGTGAAGGAGTTCAGCTTTAGGGAAGATACTT
 TGCTGTTGATGGAAGAGGCTATGGGGGAAGATATTGTACCAGAAAGGATAAAAGAGGAGCTTCATCCAGA
 GGTGCAGTGTGTGGGCCCGCAGCCCTGACTGCCTCGGTGGCTGCGTCTCCAAAGAATTTGAAGACAAG
 TGGTTCAGAAAGGTCAGAGACCATTTACAGCCCTTGGAAGAGCAGTCGCATGTGGACATTGATCATGG
 CT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RR205745 representing NM_001025007
 Red=Cloning site Green=Tags(s)

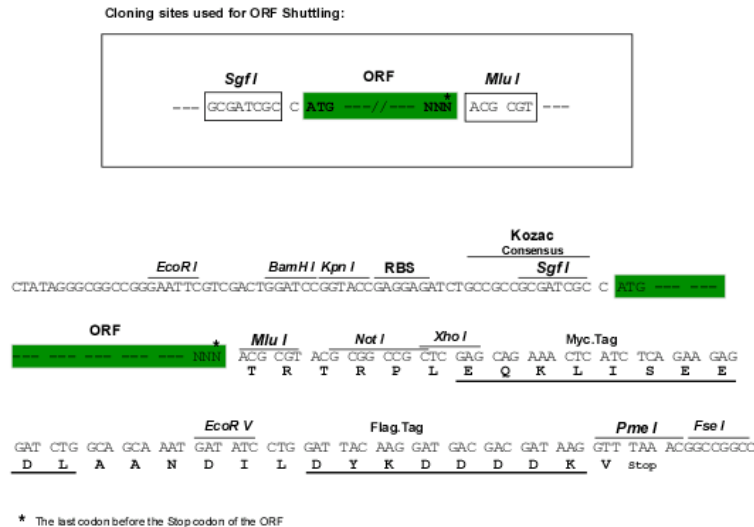
METGCWVLGGFEFDSVFEQKPERQPEPPSSYGAKLCEPQWFYEETESSNDIEVLTLKKFRGDLAYRRQEY
 EKALQEYSSISKQLPSTNFAMKRDVQEGQARCLAHLLGRHEEALEIAVDLESKATNTEHLTSALSLHLAIF
 SRRQSLEKTIILYQLKLSLHPLNPWSWCKLAEAYLSPGPDLPALGESPGQGKSSASDDKAVRASSVHSGT
 GCLPFPAPSPDSAVFSVEASGCDTQQDMQNCLAAARRAAQTEAQRKACAALIRARLLLQLAQSQQTSFAL
 EKNLRTQQEIAQKVKEFSFREDTLLLMEAMGEDIVPERIKEELHPEVQCVGPAALTASVAASSKEFEDK
 WFRKVRDHFSPLEKQSHVDIQIMA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001025007

ORF Size: 1122 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_001025007.1](#), [NP_001020178.1](#)

RefSeq Size: 1328 bp

RefSeq ORF: 1125 bp

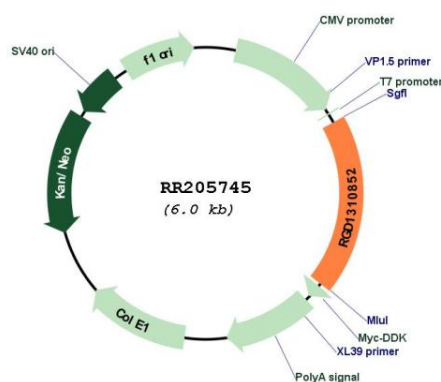
Locus ID: 314992

UniProt ID: [Q5BK24](#)

Cytogenetics: 7q33

MW: 41.8 kDa

Product images:



Circular map for RR205745