

Product datasheet for **RR213033**

Vrk2 (NM_001108366) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vrk2 (NM_001108366) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Vrk2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213033 representing NM_001108366
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGCACCGAGAAGAAAAGAGAAATACAAGCTTCCGGTCCACTTCCAGAAGGCAAATCTGGATGATA
TGGAAGGAAACCAGTGGCACTGGGCAAGATGATTGGCTCCGGAGGTTGGGCTGATATACTTAGCTTT
CCCCAAAATAAACAGAGAAAGATGCAAGACATGTCATAAAAGTGAATATCAGGAAAAATGGCCATTA
TTTTCAGAGCTTAAATTTTATCAGAGAGCTGCAAAAAGAGAATGTATCCAAAAGTGGTAAACAGAGGA
AACTTGATTATTTAGGAGTTCCTGTATTTTATGGATTTGGTCTGACTGATTTCAAAGGAAGAAGCTACAG
ATTCATGGTAATGGAAGACTGGGGATCGATTTACAGAAGCTCTGAACCAGAACGGTGCTTTAAAAAA
TTAACTGTCTGCAACTTGAATCAGGATGCTCGATGTAATATATACATGAAAATGAATATGTTCT
ATGGCGATATAAAAGCAGCAAATCTACTGCTGGTTACGCAAATCCAGACCGGCTTTCTTATCCTCCCT
TTCTGCAGCCCTTCCAGGAGGAGCGATGTTGAGATCCTTGGTTACTGCATGCTGCGCTGGCTCTGCGGA
AAGCTGCCTTGGAAACAAACCTAGAGAACCCCGTGGCTGTCCAGACCACTGCTGGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213033 representing NM_001108366
Red=Cloning site Green=Tags(s)

MAPRRKEYKLPVPLPEGKILDDMEGNQWALGKMIGSGGFGLIYLAFPTNKPEKDARHVIKVEYQENGL
FSELKFYQRAAKRECIQKWKQRKLDYLGVPVYGFGLTDFKGRSYRFMVMERLGLDLQKLLNQNGAFKK
LTVLQLGIRMLDVLEYIHENEYVHGDIIKANLLLYANPDRLSYPLSAAPSRSDVEILGYCMLRWLCG
KLPWETNLENPVAVQTTAG

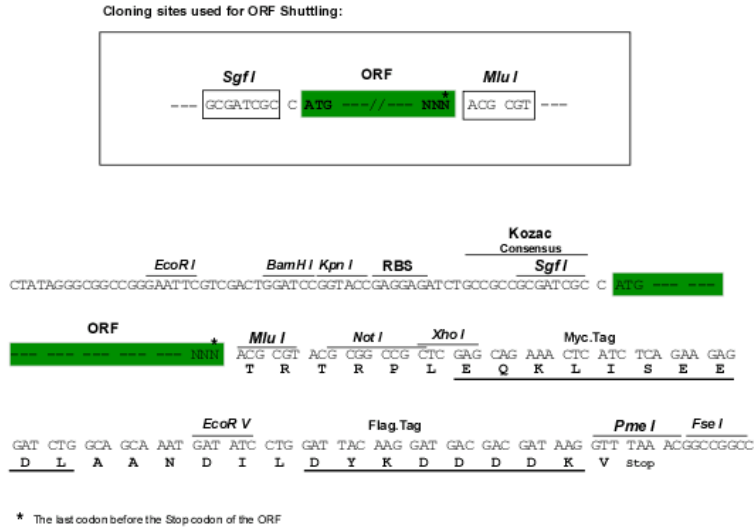
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



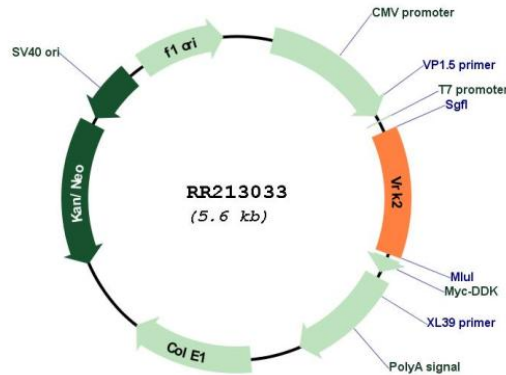
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Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108366

ORF Size: 687 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:	<u>NM_001108366.1, NP_001101836.1</u>
RefSeq Size:	979 bp
RefSeq ORF:	690 bp
Locus ID:	360991
Cytogenetics:	14q22
MW:	26.2 kDa