

Product datasheet for **RR214142**

Vdac2 (NM_031354) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vdac2 (NM_031354) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Vdac2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214142 representing NM_031354
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAATGTTGTGTACCGGTATGCCAACGGCCAATTTGTATCCCTCCACCCTATGCTGACCTTGCCA
AAGCTGCCAGAGATATTTTCAACAAAGGATTTGGTTTTGGTTGGTAAAGCTGGATGTGAAAACGAAGTC
ATGCAGTGGTGTGGAATTTTCAACATCTGGCTCATCTAATACAGACACTGGTAAAGTCAGTGGGACCTTG
GAGACCAAGTACAAATGGTGTGAGTATGGTCTGACTTTCACAGAGAAATGGAACACTGACAACACTCTGG
GGACGGAGATTGCAATTGAAGACCAGATTTGTCAAGGTTTGAACCTGACCTTTGACACCAGTTTTCACC
AAACACAGGAAAGAAAAGTGGTAAAATCAAGTCTGCTTACAAGAGGGAATGTATAAACCTTGGCTGTGAT
GTTGATTTTGTGTTGCTGGACCTGCCATCCATGGGTCAGCCGCTTTGGTTACGAGGGCTGGCTTGCTG
GGTACCAGATGACCTTTGACAGTGCCAAGTCAAAGCTGACAAGGAGTAACCTCGCAGTTGGCTACAGGAC
TGGGGACTTCCAGCTACACACAAATGTAATAATGGGACAGAATTTGGAGGATCAATTTATCAGAAAGTA
TGTGAAGATTTTGAACCTCAGTAAACCTTGGTGGACATCAGGTACCAACTGCACTCGTTTTGGCATTG
CAGCTAAATACCAGTTGGACCCACTGCTTCTATTCTGCAAAGGTCAACAACTCTAGTTTAATTGGAGT
GGGCTATACTCAGACTCTGAGGCCTGGTGTGAAGCTTACTGTCTGCTCTGGTAGACGGGAAGAGCTTT
AATGCTGGAGGCCACAACTTGGCTTGCCTTGAATTGGAGGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214142 representing NM_031354
 Red=Cloning site Green=Tags(s)

MAECCVPVCQRPICIPPPYADLGAARDIFNKGFGFLVKLDVTKSCSGVEFSTSGSSNTDTGKVSGL
 ETKYKWCYGLTFTEKWNTDNTLGTEIAIEDQICQGLKLTDFDTFSPNTGKSGKIKSAYKRECINLGC
 VDFDFAGPAIHGSAVFGYEGWLAGYQMTFDSAKSKLTRSNFVAVGYRTGDFQLHTNVNNGTEFGGSIYQKV
 CEDFDTSVNLAWTSGTNCTRFGIAAKYQLDPTASISAKVNNSSLIGVGYTQTLRPGVKLTLSALVDGKSF
 NAGGHKLGLELELEA

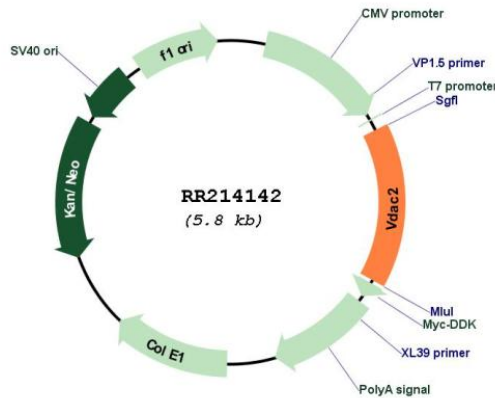
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031354

ORF Size:	885 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_031354.1 , NP_112644.1
RefSeq Size:	1715 bp
RefSeq ORF:	888 bp
Locus ID:	83531
UniProt ID:	P81155
Cytogenetics:	15p16
MW:	31.7 kDa
Gene Summary:	small pore-forming channel found in the mitochondrial outer membrane [RGD, Feb 2006]