

Product datasheet for **MR203835**

Vdac3 (NM_011696) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vdac3 (NM_011696) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vdac3
Synonyms:	MGC102096
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203835 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGTAACACACCAACTTATTGCGACCTAGGAAAGGCTGCCAAGGATGTCTTTAACAAAGGGTATGGGT
TTGGCATGGTCAAGATAGATCTGAAAACCAAGTCTTGTAGTGGAGTGATGGAATTTCTACTTCAGGTCA
TGCTTATACTGATACAGGAAAGCATCAGGCAACCTAGAGACCAATATAAGGTCTGCAACTATGGGCTC
ACCTTCACCCAAAAGTGAATACAGACAATACTCTGGGACAGAAATCTCTGGGAGAATAAGTTGGCTG
AAGGGTTGAAACTGACTCTTGATACCATATTTGTACCAAACACAGGAAAGAAGAGTGGGAAATTAAGGC
CTCCTATAGACGGGATTGTTTTAGTCTCGGCAGTAATGTTGATATAGATTTTTCTGGACCGACCATCTAT
GGCTGGGCTGTGTTGGCCTTTGAAGTTGGCTTGTGGCTATCAGATGAGTTTTGACACAGCCAAATCCA
AACTGTCTCAGAATAATTCGCTCTTGTTACAAGGCTGCAGACTCCAGCTGCATACTCACGTGAATGA
TGGCACTGAGTTTGGAGGCTCAATCTACCAGAAAGTTAACGAGAGGATTGAAACGTCAATAAACCTGGCA
TGGACAGCTGGCAGCAACAACACTCGTTTTGGCATCGTGCTAAATATAAGCTGGATTGTAGAATTCTC
TATCTGCCAAAGTAAACAATGCCAGTTAATTGGACTGGGTTATACGAGACCCTCCGACCAGGAGTCAA
ACTGACCCTGTCAGCTTTAATAGATGAAAAGAACTTCAATGCAGGAGGCCACAAGTTGGATTGGGATT
GAACTGGAGGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR203835 protein sequence
Red=Cloning site Green=Tags(s)

MCNTPTYCDLGKAAKDVFNKGYFGVMVKIDLKTKSCSGVMEFSTSGHAYTDTGKASGNLETKYKVCNYGL
 TFTQKWNTDNTLGTETSWENKLAEGLKLTLDITFVPNTGKKSGLKASYRRDCFSLGSNVDIDFSGPTIY
 GWAVLAFEGWLAGYQMSFDTAKSKLSQNNFALGYKAADFQLHHTVNDGTEFGGSIYQKVNERIETSINLA
 WTAGSNTRFGIAAKYKLD CRTSLSAKVNNASLIGLGYTQTLRPGVKLTLSALIDGKNFNAGGHKVGLGF
 ELEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_011696

ORF Size: 855 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_011696.1](#), [NM_011696.2](#), [NP_035826.1](#)

RefSeq Size: 1420 bp

RefSeq ORF: 852 bp

Locus ID: 22335

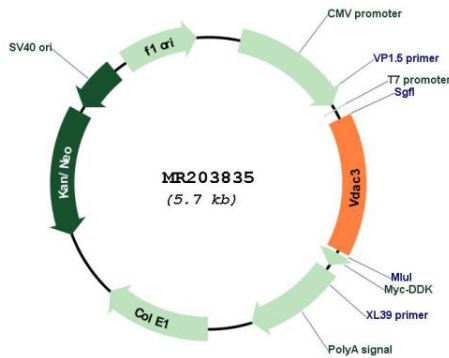
UniProt ID: [Q60931](#)

Cytogenetics: 8 11.42 cM

MW: 30.9 kDa

Gene Summary: Forms a channel through the mitochondrial outer membrane that allows diffusion of small hydrophilic molecules.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203835