

## Product datasheet for MR228997

### Vdac3 (NM\_001198998) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Vdac3 (NM\_001198998) Mouse Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Vdac3  
Synonyms: MGC102096  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >MR228997 representing NM\_001198998  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTGTAACACACCAACTTATTGCGACCTAGGAAAGGCTGCCAAGGATGTCTTTAACAAAGGGTATGGGT  
TTGGCATGGTCAAGATAGATCTGAAAACCAAGTCTTGTAGTGGAGTGATGGAATTTCTACTTCAGGTCA  
TGCTTATACTGATACAGGAAAGCATCAGGCAACCTAGAGACCAATATAAGGTCTGCAACTATGGGCTC  
ACCTTCACCCAAAAGTGGAATACAGACAATACTCTGGGACAGAAATCTCTGGGAGAATAAGTTGGCTG  
AAGGGTTGAAACTGACTCTTGATACCATATTTGTACCAAACACAGGAAAGAAGAGTGGGAAATTAAGGC  
CTCCTATAGACGGGATTGTTTTAGTCTCGGCAGTAATGTTGATATAGATTTTCTGGACCGACCATCTAT  
GGCTGGGCTGTGTTGGCCTTTGAAGGTTGGCTTGGCTATCAGATGAGTTTTGACACAGCCAAATCCA  
AACTGTCTCAGAATAATTCGCTCTTGGTTACAAGGCTGCAGACTTCCAGCTGCATACTCACGTGAATGA  
TGGCACTGAGTTGGAGGCTCAATCTACCAGAAAGTTAACGAGAGGATTGAAACGTCATAAACCTGGCA  
TGGACAGCTGGCAGCAACAACACTCGTTTTGGCATCGCTGCTAAATATAAGCTGGATTGTAGAATTCTC  
TATCTGCCAAAGTAAACAATGCCAGTTAATTGGACTGGGTTATACGCAGACCCTCCGACCAGGAGTCAA  
ACTGACCCTGTCAGCTTTAATAGATGAAAGAACTTCAATGCAGGAGGCCACAAGTTGGATTGGGATTT  
GAACTGGAGGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR228997 representing NM\_001198998  
 Red=Cloning site Green=Tags(s)

MCNTPTYCDLGKAAKDVFNKGYGFGMVKIDLKTKSCSGVMEFSTSGHAYTDTGKASGNLETKYKVCNYGL  
 TFTQKWNTDNTLGTEISWENKLAEGLKLTLDITFVPNTGKKSGLKASYRRDCFSLGSNVDIDFSGPTIY  
 GWAVLAFEGWLAGYQMSFDTAKSKLSQNNFALGYKAADFQLHHTVNDGTEFGGSIYQKVNERIETSINLA  
 WTAGSNTRFGIAAKYKLD CRTSLSAKVNNASLIGLGYTQTLRPGVKLTLSALIDGKNFNAGGHKVGGLGF  
 ELEA

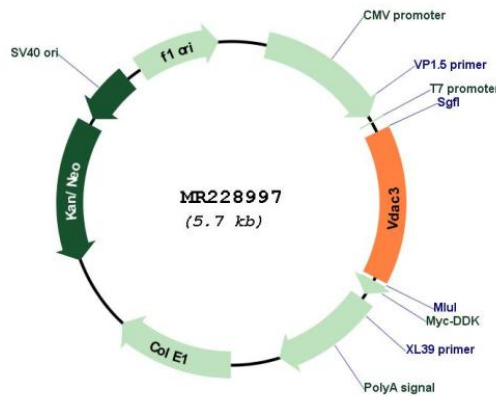
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001198998

**ORF Size:** 852 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001198998.1</a> , <a href="#">NP_001185927.1</a>
<b>RefSeq Size:</b>	1423 bp
<b>RefSeq ORF:</b>	855 bp
<b>Locus ID:</b>	22335
<b>Cytogenetics:</b>	8 11.42 cM
<b>MW:</b>	31.3 kDa
<b>Gene Summary:</b>	Forms a channel through the mitochondrial outer membrane that allows diffusion of small hydrophilic molecules.[UniProtKB/Swiss-Prot Function]