

Product datasheet for **MC207440**

Vdac1 (NM_011694) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vdac1 (NM_011694) Mouse Untagged Clone
Tag: Tag Free
Symbol: Vdac1
Synonyms: AL033343; mVDAC1; mVDAC5; Vdac5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC207440 representing NM_011694
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGTGCCTCCACATACGCCGATCTTGGCAAGTCCGCCAGGGATGTCTTCACCAAGGGCTACGGCT
 TTGGCTTAATAAACTTGATTTGAAAACGAAGTCAGAGAATGGATTGGAATTTACCAGCTCAGGCTCTGC
 CAACACGGAAACCACAAAGTGAACGGCAGCCTGGAAACCAAGTACAGATGGACTGAGTATGGGCTGACG
 TTTACAGAGAAGTGAACACAGACAACACCTGGGCACTGAGATCACTGTGGAAGACCAGCTTGCTCGT
 GACTGAAGCTCACCTTTGATTTCGTCATTCTCGCCGAACACTGGGAAAAAATGCTAAAAATCAAGACAGG
 GTACAAGAGGGAGCACATCAACCTCGGCTGTGACGTGGACTTTGACATCGCTGGGCCCTCGATCCGGGGC
 GCTCTGGTGCTTGCTATGAGGGTTGGCTGGCTGGCTACCAAGATGAATTTGAGACCTCGAAGTCCCGAG
 TGACCCAGAGCAACTTCGCAGTTGGCTATAAGACGGATGAATTCAGCTTCATACTAATGTGAATGACGG
 GACAGAGTTTGGTGGCTCCATTTACCAGAAGGTGAACAAGAAGTTGGAGACTGTGTCAATCTCGCTGG
 ACTGCAGGAAACAGTAACACTCGCTTCGGAATAGCAGCCAAGTATCAGGTCGACCCTGATGCCTGCTTTT
 CGGCCAAAGTGAACAACCTAGCCTGATTGGCTTAGGGTACACTCAGACCCTAAAACCAGGTATCAAAC
 GACGTTGTCAGCCCTGCTCGATGGCAAGAAGCTCAATGCGGGTGGCCACAAGCTTGCCCTAGGACTGGAA
 TTCAAGCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1852_f11.zip
Restriction Sites: Sgfl-Mlul
ACCN: NM_011694



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Insert Size:	852 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	BC092257 , AAH92257
RefSeq Size:	1766 bp
RefSeq ORF:	852 bp
Locus ID:	22333
UniProt ID:	Q60932
Cytogenetics:	11 31.86 cM
Gene Summary:	<p>This gene encodes a voltage-dependent anion channel protein that is a major component of the outer mitochondrial membrane. The encoded protein facilitates the exchange of metabolites and ions across the outer mitochondrial membrane and may regulate mitochondrial functions. This protein also forms channels in the plasma membrane and may be involved in transmembrane electron transport. Multiple pseudogenes of this gene are found on chromosomes 1, 2, 3, 6, 8, 9, and X. [provided by RefSeq, Sep 2015]</p>