

Product datasheet for RN203167

Vdac1 (NM_031353) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vdac1 (NM_031353) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Vdac1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN203167 representing NM_031353 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGTGCCTCCCACATATGCTGATCTTGGCAAGTCCGCCAGGGATGTCTTACCAAGGGCTACGGCT
TTGGCTTAATAAACTTGATTTGAAAACGAAGTCCGAGAATGGATTGGAATTTACTAGCTCAGGTTCTGC
CAACACGGAGACCACAAAGTGAACGGCAGTCTGGAAACCAAGTACAGATGGACCGAGTATGGGCTGACG
TTTACTGAGAAGTGAACACAGACAACCCCTGGGCACTGAGATCACCGTGAAGACCAGCTTGCTCGTG
GACTGAAGCTGACCTTTGATTCATCTTTCTCGCCTAACACTGGGAAAAAATGCTAAAAATCAAGACAGG
GTACAAGAGGGAGCATATCAACCTGGGCTGTGATGTGGACTTTGACATCGCTGGGCCCTCAATCCGGGGC
GCTCTGGTGCTTGCTATGAGGGTTGGCTGGCTACCAAGATGAATTTGAGACCTCGAAGTCCCGAG
TGACCCAGAGCAACTTTGCAGTTGGCTACAAGACGGACGAATTCAGCTTCATACTAATGTGAATGATGG
GACGGAGTTTGGTGGCTCCATTTACCAGAAGGTGAACAAGAAGTTGGAGACTGCTGTCAATCTCGCCTGG
ACCGCAGGAAACAGTAACACTCGCTTTGGAATAGCAGCCAAGTATCAGGTCGACCCTGATGCCTGCTTTT
CGGCCAAAGTGAACAACCCAGTCTAATGGCTTAGGGTACACTCAGACCCTAAAACCAGGTATCAAAC
GACTGTGAGCCCTGCTGGATGGCAAGAACGTAATGCGGGTGGCCACAAGCTTGTTTAGGACTGGAA
TTCAAGCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	https://cdn.origene.com/chromatograms/ja1603_g08.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_031353
Insert Size:	852 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_031353.1 , NP_112643.1
RefSeq Size:	1818 bp
RefSeq ORF:	852 bp
Locus ID:	83529
UniProt ID:	Q9Z2L0
Cytogenetics:	10q22
Gene Summary:	large diameter (2.5-3 nm) channel, permeable to ions and small molecules; molecular component of Ca ²⁺ transport across the mitochondrial membranes [RGD, Jun 2006]