

Product datasheet for **SC117988**

VDAC2 (NM_003375) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VDAC2 (NM_003375) Human Untagged Clone
Tag:	Tag Free
Symbol:	VDAC2
Synonyms:	POR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003375, the custom clone sequence may differ by one or more nucleotides

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ATGGCGACCCACGGACAGACTTGC GCGCGTCCAATGTGTATTCCTCCATCATATGCTGACCTGGCAAAG
CTGCCAGAGATATTTTCAACAAAGGATTTGGTTTTGGGTTGGTAAAAGTGGATGTGAAAACAAAGTCTTG
CAGTGGCGTGGAATTTTCAACGTCGGTTCATCTAATACAGACACTGGTAAAGTTACTGGGACCTTGGAG
ACCAAATACAAGTGGTGTGAGTATGGTCTGACTTTCACAGAAAAGTGAACACTGATAAACTCTGGGAA
CAGAAATCGCAATTGAAGACCAGATTTGTCAAGGTTTAAAAGTGAATTTGATACTACCTTCTACCAAA
CACAGGAAAGAAAAGTGGTAAAATCAAGTCTTCTTACAAGAGGGAGTGTATAAACCTTGGTTGTGATGTT
GACTTTGATTTTGTGGACCTGCAATCCATGGTTCAGCTGTCTTTGGTTATGAGGGCTGGCTTGCTGGCT
ACCAGATGACCTTTGACAGTGCCAAATCAAAGCTGACAAGGAATAACTTTGACAGTGGGCTACAGGACTGG
GGACTTCCAGCTACACACTAATGTCAATGATGGGACAGAAATTTGGAGGATCAATTTATCAGAAAAGTTGT
GAAGATCTTGACACTTCAGTAAACCTTGCTTGGACATCAGGTACCAACTGCACTCGTTTTGGCATTGCGAG
CTAAATATCAGTTGGATCCCCTGCTTCCATTTCTGCAAAAGTCAACAACTCTAGCTTAATTGGAGTAGG
CTATACTCAGACTCTGAGGCTGGTGTGAAGCTTACACTCTCTGCTCTGGTAGATGGGAAGAGCATTAAAT
GCTGGAGGCCACAAGGTTGGGCTCGCCCTGGAGTTGGAGGCTTAA
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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_003375.2 , NP_003366.2
RefSeq Size:	1522 bp
RefSeq ORF:	885 bp
Locus ID:	7417
UniProt ID:	P45880
Cytogenetics:	10q22.2
Domains:	Euk_porin
Protein Families:	Druggable Genome, Ion Channels: Other
Protein Pathways:	Calcium signaling pathway, Huntington's disease, Parkinson's disease
Gene Summary:	<p>This gene encodes a member of the voltage-dependent anion channel pore-forming family of proteins that are considered the main pathway for metabolite diffusion across the mitochondrial outer membrane. The encoded protein is also thought to be involved in the mitochondrial apoptotic pathway via regulation of BCL2-antagonist/killer 1 protein activity. Pseudogenes have been identified on chromosomes 1, 2, 12 and 21, and alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate upstream start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1. Variants 2, 3, and 5 all encode the same isoform (2). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>