

Product datasheet for SC328500

VDAC2 (NM 001184783) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: VDAC2 (NM_001184783) Human Untagged Clone

Tag: Tag Free
Symbol: VDAC2
Synonyms: POR

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

Fully Sequenced ORF: >SC328500 representing NM_001184783.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

AAGGTTGGGCTCGCCCTGGAGTTGGAGGCTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT

TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: Sgfl-Mlul

ACCN: NM_001184783

Insert Size: 930 bp



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VDAC2 (NM_001184783) Human Untagged Clone - SC328500

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning

into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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: <u>NM 001184783.2</u>

 RefSeq Size:
 2003 bp

 RefSeq ORF:
 930 bp

 Locus ID:
 7417

 UniProt ID:
 P45880

Cytogenetics:

Protein Families: Druggable Genome, Ion Channels: Other

10q22.2

Protein Pathways: Calcium signaling pathway, Huntington's disease, Parkinson's disease

MW: 33.4 kDa

Gene Summary: 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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). 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.