

Product datasheet for **RC229844**

VDAC2 (NM_001184823) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VDAC2 (NM_001184823) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VDAC2
Synonyms:	POR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229844 representing NM_001184823 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGACCCACGGACAGACTTGC GCGCTCCAATGTGTATTCTCCATCATATGCTGACCTTGCCAAAG
CTGCCAGAGATATTTTCAACAAAGGATTTGGTTTTGGTTGGTGAAGTGGATGTGAAAACAAAGTCTTG
CAGTGGCGTGGAATTTTCAACGTCGGTTCATCTAATACAGACTGGTAAAGTTACTGGGACCTGGAG
ACCAAATACAAGTGGTGTGAGTATGGTCTGACTTTCACAGAAAAGTGAACACTGATAAACTCTGGGAA
CAGAAATCGCAATTGAAGACCAGATTTGTCAAGTTTGAAGTGCATTTGATACTACCTTCTCACAAA
CACAGGAAAGAAAAGTGGTAAAAATCAAGTCTTCTTACAAGAGGGAGTGTATAAACCTTGGTTGTGATGTT
GACTTTGATTTTGTGGACCTGCAATCCATGGTTCAGCTGTCTTTGGTTATGAGGCTGGCTTGCTGGCT
ACCAGATGACCTTTGACAGTGCCAAATCAAAGCTGACAAGGAATAACTTTGACAGTGGGCTACAGGACTGG
GGACTTCCAGCTACACACTAATGTCAATGATGGGACAGAAATTTGGAGGATCAATTTATCAGAAAATTTGT
GAAGATCTTGACACTTCCAGTAAACCTTGCTTGGACATCAGGTACCAACTGCACTCGTTTTGGCATTGCAG
CTAAATATCAGTTGGATCCACTGCTTCCATTTCTGCAAAAGTCAACAACTCTAGCTTAATTGGAGTAGG
CTATACTCAGACTCTGAGGCCTGGTGTGAAGCTTACACTCTGCTCTGGTAGATGGGAAGAGCATTAAAT
GCTGGAGGCCACAAGTTGGGCTCGCCCTGGAGTTGGAGGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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: [NM_001184823.1](#), [NP_001171752.1](#)

RefSeq ORF: 885 bp

Locus ID: 7417

UniProt ID: [P45880](#)

Cytogenetics: 10q22.2

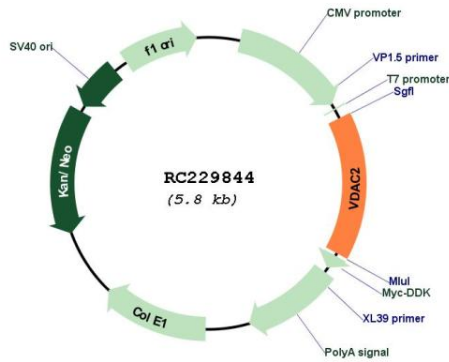
Protein Families: Druggable Genome, Ion Channels: Other

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

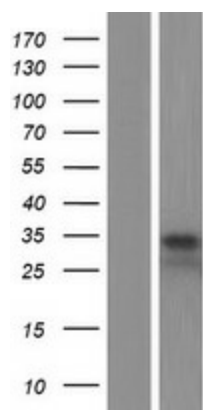
MW: 32 kDa

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]

Product images:



Circular map for RC229844



Western blot validation of overexpression lysate (Cat# [LY432844]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229844 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).