

Product datasheet for **MG203835**

Vdac3 (NM_011696) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Vdac3 (NM_011696) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Vdac3 |
| Synonyms: | MGC102096 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG203835 representing NM_011696 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGTAACACACCAACTTATTGCGACCTAGGAAAGGCTGCCAAGGATGTCTTTAACAAAGGGTATGGGT
TTGGCATGGTCAAGATAGATCTGAAAACCAAGTCTTGTAGTGGAGTGATGGAATTTCTACTTCAGGTCA
TGCTTATACTGATACAGGAAAGCATCAGGCAACCTAGAGACCAATATAAGGTCTGCAACTATGGGCTC
ACCTTCACCCAAAAGTGAATACAGACAATACTCTGGGACAGAAATCTCTGGGAGAATAAGTTGGCTG
AAGGGTTGAAACTGACTCTTGATACCATATTTGTACCAAACACAGGAAAGAAGAGTGGGAAATTAAGGC
CTCCTATAGACGGGATTGTTTTAGTCTCGGCAGTAATGTTGATATAGATTTTTCTGGACCGACCATCTAT
GGCTGGGCTGTGTTGGCCTTTGAAGTTGGCTTGCTGGCTATCAGATGAGTTTTGACACAGCCAAATCCA
AACTGTCTCAGAATAATTCGCTCTTGTTACAAGGCTGCAGACTTCAGCTGCATACTCACGTGAATGA
TGGCACTGAGTTGGAGGCTCAATCTACCAGAAAGTTAACGAGAGGATTGAAACGTCAATAAACCTGGCA
TGGACAGCTGGCAGCAACAACACTCGTTTTGGCATCGTGCTAAATATAAGCTGGATTGTAGAATTCTC
TATCTGCCAAAGTAAACAATGCCAGTTAATTGGACTGGGTTATACGAGACCCTCCGACCAGGAGTCAA
ACTGACCCTGTCAGCTTTAATAGATGAAAAGAACTTCAATGCAGGAGGCCACAAGGTTGGATTGGGATT
GAACTGGAGGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203835 representing NM_011696
 Red=Cloning site Green=Tags(s)

MCNTPTYCDLGKAAKDVFNKGYFGVMVKIDLKTKSCSGVMEFSTSGHAYTDTGKASGNLETKYKVCNYGL
 TFTQKWNTDNTLGTEISWENKLAEGLKLTLDITFVPNTGKKSGKLKASYRRDCFSLGNSVDIDFSGPTIY
 GWAVLAFEGWLAGYQMSFDTAKSKLSQNNFALGYKAADFQLHHTVNDGTEFGGSIYQKVNERIETSINLA
 WTAGSNTRFGIAAKYKLD CRTSLSAKVNNASLIGLGYTQTLRPGVKLTL SALIDGKNFNAGGHKVG LGF
 ELEA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011696

ORF Size: 849 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_011696.1](#), [NP_035826.1](#)

RefSeq Size: 1345 bp

RefSeq ORF: 852 bp

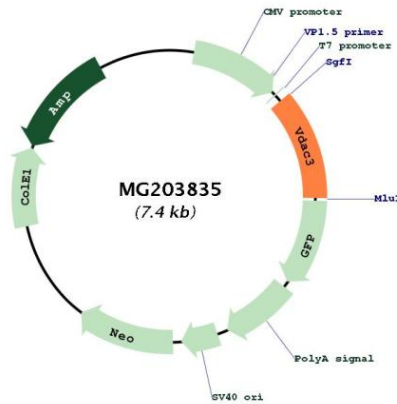
Locus ID: 22335

UniProt ID: [Q60931](#)

Cytogenetics: 8 11.42 cM

Gene Summary: Forms a channel through the mitochondrial outer membrane that allows diffusion of small hydrophilic molecules.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG203835