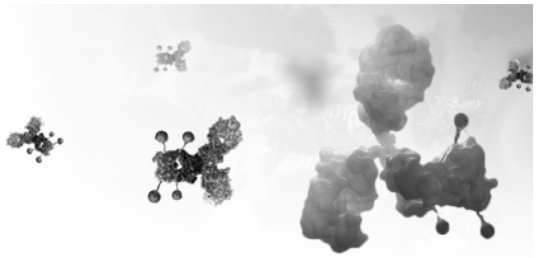

# Human VDAC1 blocking peptide (DAG-P2029)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|---|---|
| **Antigen Description** | This gene encodes a voltage-dependent anion channel protein that is a major component of the outer mitochondrial membrane. The encoded protein facilitates the exchange of metabolites and ions across the outer mitochondrial membrane and may regulate mitochondrial functions. This protein also forms channels in the plasma membrane and may be involved in transmembrane electron transport. Alternate splicing results in multiple transcript variants. Multiple pseudogenes of this gene are found on chromosomes 1, 2 3, 6, 9, 12, X and Y.[provided by RefSeq, Sep 2010] |
| **Specificity** | Heart, liver and skeletal muscle. |
| **Purity** | 70 - 90% by HPLC. |
| **Conjugate** | Unconjugated |
| **Applications** | BL |
| **Sequence Similarities** | Belongs to the eukaryotic mitochondrial porin family. |
| **Format** | Liquid |
| **Preservative** | None |
| **Storage** | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request. |

## GENE INFORMATION

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|---|---|
| **Gene Name** | VDAC1 voltage-dependent anion channel 1 [ Homo sapiens (human) ] |
| **Official Symbol** | VDAC1 |

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|---|---|
| **Synonyms** | VDAC1; voltage-dependent anion channel 1; PORIN; VDAC-1; voltage-dependent anion-selective channel protein 1; porin 31HL; porin 31HM; plasmalemmal porin; outer mitochondrial membrane protein porin 1; |
| **Entrez Gene ID** | 7416 |
| **mRNA Refseq** | NM_003374.2 |
| **Protein Refseq** | NP_003365.1 |
| **UniProt ID** | B3KTS5 |
| **Chromosome Location** | 5q31 |
| **Pathway** | Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem; Influenza A, organism-specific biosystem; Influenza A, conserved biosystem; Metabolism of proteins, organism-specific biosystem; Mitochondrial Protein Import, organism-specific biosystem; Parkinsons disease, organism-s |
| **Function** | porin activity; protein binding; voltage-gated anion channel activity; voltage-gated anion channel activity; |

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