



Human VDAC1 blocking peptide (DAG-P2028)

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

PRODUCT INFORMATION

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

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

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;