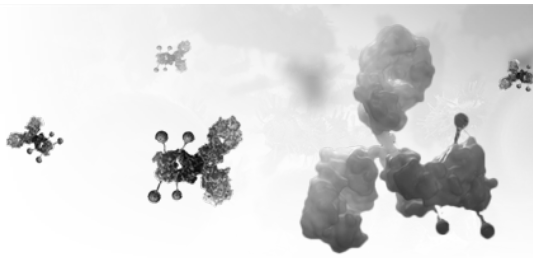

VPS4B peptide (DAG-P1261)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a member of the AAA protein family (ATPases associated with diverse cellular activities), and is the homolog of the yeast Vps4 protein. In humans, two paralogs of the yeast protein have been identified. The former share a high degree of aa sequence similarity with each other, and also with yeast Vps4 and mouse Skd1 proteins. Mouse Skd1 (suppressor of K+ transport defect 1) has been shown to be a yeast Vps4 ortholog. Functional studies indicate that both human paralogs associate with the endosomal compartments, and are involved in intracellular protein trafficking, similar to Vps4 protein in yeast. The gene encoding this paralog has been mapped to chromosome 18; the gene for the other resides on chromosome 16. [provided by RefSeq, Jul 2008]
Specificity	Ubiquitously expressed.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the AAA ATPase family.Contains 1 MIT domain.
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	VPS4B vacuolar protein sorting 4 homolog B (S. cerevisiae) [Homo sapiens (human)]
Official Symbol	VPS4B

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Synonyms	VPS4B; vacuolar protein sorting 4 homolog B (S. cerevisiae); MIG1; SKD1; SKD1B; VPS4-2; vacuolar protein sorting-associated protein 4B; cell migration-inducing 1; vacuolar protein sorting 4B; suppressor of K+ transport defect 1; cell migration-inducing gene 1 protein; suppressor of K(+) transport growth defect 1;
Entrez Gene ID	9525
mRNA Refseq	NM_004869.3
Protein Refseq	NP_004860.2
UniProt ID	O75351
Chromosome Location	18q21.33
Pathway	Budding and maturation of HIV virion, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Disease, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Endosomal Sorting Complex Required For Transport (ESCRT), organism-specific biosystem; HIV Infection, organism-specific biosystem; HIV Life Cycle, organism-specific biosystem; Late Phase of HIV Life Cycle, organism-specific biosystem; Membrane Trafficking,
Function	ATP binding; ATPase activity; ATPase activity; ATPase activity, coupled; protein C-terminus binding; protein binding;

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