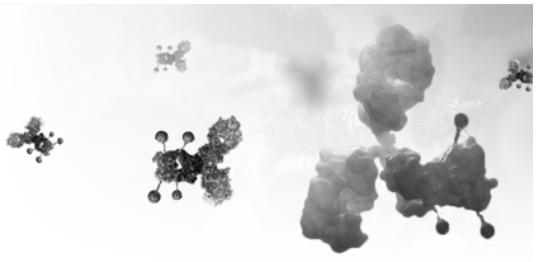

Human PDCD6IP peptide (DAG-P1861)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein that functions within the ESCRT pathway in the abscission stage of cytokinesis, in intralumenal endosomal vesicle formation, and in enveloped virus budding. Studies using mouse cells have shown that overexpression of this protein can block apoptosis. In addition, the product of this gene binds to the product of the PDCD6 gene, a protein required for apoptosis, in a calcium-dependent manner. This gene product also binds to endophilins, proteins that regulate membrane shape during endocytosis. Overexpression of this gene product and endophilins results in cytoplasmic vacuolization, which may be partly responsible for the protection against cell death. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. Related pseudogenes have been identified on chromosome 15. [provided by RefSeq, Jan 2012]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Contains 1 BRO1 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	PDCD6IP programmed cell death 6 interacting protein [Homo sapiens (human)]
Official Symbol	PDCD6IP
Synonyms	PDCD6IP; programmed cell death 6 interacting protein; AIP1; ALIX; HP95; DRIP4;

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	programmed cell death 6-interacting protein; PDCD6-interacting protein; ALG-2 interacting protein 1; ALG-2-interacting protein X; dopamine receptor interacting protein 4; apoptosis-linked gene 2-interacting protein X;
Entrez Gene ID	10015
mRNA Refseq	NM_001162429.2
Protein Refseq	NP_001155901.1
UniProt ID	Q8WUM4
Chromosome Location	3p22.3
Pathway	Budding and maturation of HIV virion, organism-specific biosystem; Disease, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; HIV Infection, organism-specific biosystem; HIV Life Cycle, organism-specific biosystem; Late Phase of HIV Life Cycle, organism-specific biosystem;
Function	SH3 domain binding; calcium-dependent protein binding; protein binding; protein dimerization activity;

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