

Recombinant Human PDCD6IP Protein, His-tagged

Cat. No. PDCD6IP-151H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human programmed cell death 6 interacting protein(PDCD6IP) protein, transcript variant 1(NM_013374), with a His tag, was expressed in human cells.
Species	Human
Source	Human Cells
Description	This gene encodes a protein that functions within the ESCRT pathway in the abscission stage of cytokinesis, in intraluminal 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.
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.293, without any preservatives.
Molecular Mass	95.8 kDa
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)

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Purity	>90% by SDS-PAGE gel and Coomassie Blue staining
Applications	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

GENE INFORMATION

Gene Name	PDCD6IP programmed cell death 6 interacting protein [Homo sapiens]
Official Symbol	PDCD6IP
Synonyms	PDCD6IP; programmed cell death 6 interacting protein; programmed cell death 6-interacting protein; AIP1; ALG 2 interacting protein X; Alix; Hp95; PDCD6-interacting protein; ALG-2 interacting protein 1; dopamine receptor interacting protein 4; apoptosis-linked gene 2-interacting protein X; ALIX; HP95; DRIP4; MGC17003;
Gene ID	10015
mRNA Refseq	NM_001162429
Protein Refseq	NP_001155901
MIM	608074
UniProt ID	Q8WUM4

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