

Recombinant Human PDCD6IP protein, His & GST-tagged

Cat. No. PDCD6IP-6715H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDCD6IP aa. (Glu174~Val383 (Accession # Q8WUM4)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu174~Val383
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 53.8kDa.

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Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.6.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	PDCD6IP programmed cell death 6 interacting protein [Homo sapiens (human)]
Official Symbol	PDCD6IP
Synonyms	AIP1; ALIX; HP95; DRIP4; ALG-2 interacting protein 1; ALG-2-interacting protein X; PDCD6-interacting protein; apoptosis-linked gene 2-interacting protein X; dopamine receptor interacting protein 4; programmed cell death 6-interacting protein

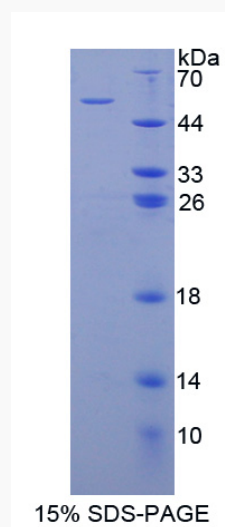
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Gene ID	10015
mRNA Refseq	NM_001162429.2
Protein Refseq	NP_001155901.1
UniProt ID	Q8WUM4

SDS-PAGE



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