

Recombinant Full Length Human PDCD6IP Protein, C-Flag-tagged

Cat. No. PDCD6IP-398HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PDCD6IP Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian 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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	95.8 kDa
AA Sequence	MATFISVQLKKTSEVDLAKPLVKFIQQTYPSSGGEEQAQYCRAAEELSKLRRAAVGRP

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LDKHEGALETLLR YYDQICSIEPKFPFSENQICLTFTWKDAFDKGSLFGGSVKLALAS
 LGYEKSCVLFNCAALASQIAAEQNL DNDEGLKIAAKHYQFASGAFLHIKETVLSALSR
 EPTVDISPDTVGTLSLIMLAQAQEVFFLKATRDKMKD AIIAKLANQAADYFGDAFKQC
 QYKDTLPKEVFPVLAAKHCIMQANAAYHQSILAKQQKKFGEEIARLQHA AELIKTVAS
 RYDEYVNVKDFSDKINRALAAAKKDNDFIYHDRVDPDLKDLDPGKATLVKSTPVNVPI
 SQK FTDLFEKMPVSVVQQSLAAYNQKADLVNRSIAQMREATTLANGVLASLNLPA
 AIEDVSGDTPVQSILTK SRSVIEQGGIQTVDQLIKELPELLQRNREILDESLRLLEEEE
 ATDNDLRAKFKERWQRTPSNELYKPLRA EGTNFRTVLDAVQADGQVKECYQSHR
 DTIVLLCKPEPELNAAIPSANPAKTMQGSEVVNVLSLLSNLD EVKKEREGLENDLK
 SVNFDMTSKFLTALAQDGVINEEALSVTELDRVYGGLTTKVQESLKKQEGLLKNIQ V
 SHQEFSKMKQSNNEANLREEVLKNLATAYDNFVELVANLKEGTFYNELTEILVRFQ
 NKCSDIVFARKT ERDELLKDLQQSIAREPSAPSIPTPAYQSSPAGGHAPTPTPAPR
 TMPPTKPQPPARPPPPVLPANRAPS ATAPSPVGAGTAAPAPSQTPGSAPPPQAQG
 PPYPTYPGYPGYCQMPMPMGYNPYAYGQYNMPYPPVYHQS
 PGQAPYPGPQQPSYPFPQPPQQSYYPQQTRTRPLEQKLISEEDLAANDILDYKDDD
 DKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome

Protein Pathways	Endocytosis
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Full Length	Full L.
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GENE INFORMATION

Gene Name	PDCD6IP programmed cell death 6 interacting protein [Homo sapiens (human)]
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Official Symbol	PDCD6IP
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Synonyms	AIP1; ALIX; HP95; DRIP4; MCPH29
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Gene ID	10015
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mRNA Refseq	NM_013374.6
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Protein Refseq	NP_037506.2
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MIM	608074
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UniProt ID	Q8WUM4
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