Recombinant Human PDCD6IP, His-tagged

Cat. No. PDCD6IP-27933TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1-392 of Human PDC6I fused to His tag at N-terminus; 412 amino acids with tag, 45.8kDa.
Species	Human
Source	E.coli
ProteinLength	1-392 a.a.
Description	This gene encodes a protein thought to participate in programmed cell death. 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.
Conjugation	HIS
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MATFISVQLK KTSEVDLAKP LVKFIQQTYP SGGEEQAQYC RAAEELSKLR RAAVGRPLDK HEGALETLLR YYDQICSIEP KFPFSENQIC LTFTWKDAFD KGSLFGGSVK LALASLGYEK SCVLFNCAAL ASQIAAEQNL DNDEGLKIAA KHYQFASGAF LHIKETVLSA LSREPTVDIS PDTVGTLSLI MLAQAQEVFF LKATRDKMKD AIIAKLANQA ADYFGDAFKQ CQYKDTLPKE VFPVLAAKHC IMQANAEYHQ SILAKQQKKF GEEIARLQHA AELIKTVASR YDEYVNVKDF SDKINRALAA AKKDNDFIYH DRVPDLKDLD PIGKATLVKS TPVNVPISQK FTDLFEKMVP VSVQQSLAAY NQRKADLVNR SIAQMREATT LA
Sequence Similarities	Contains 1 BRO1 domain.

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;
Gene ID	10015
mRNA Refseq	NM_001162429

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Protein Refseq	NP_001155901
MIM	608074
Uniprot ID	Q8WUM4
Chromosome Location	3p22.3
Pathway	Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem;
Function	calcium-dependent protein binding; protein binding;

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