

Product datasheet for TP303735

ALIX (PDCD6IP) (NM_013374) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human programmed cell death 6 interacting protein (PDCD6IP), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203735 protein sequence Red =Cloning site Green =Tags(s)

MATFISVQLKKTSEVDLAKPLVKFIQQTYPSSGGEEQAQYCRAAEELSKLRRRAVGRPLDKHEGALETLLR
YYDQICSIIEPKFPFSENQICLFTFWKDAFDKGSFLGGSVKLALASLGYEKSCVLFNCAALASQIAAEQNL
DNDEGLKIAAKHYQFASGAFLHIKETVLSALSREPTVDISPDTVGLTSLIMLAQAQEVFFLKATRDKMKD
AIIAKLANQAADYFGDAFKQCQYKDTLPKEVFPVLAAKHCIMQANAHEYQSILAKQQKKFGEEIARLQHA
AELIKTVASRYDEYVNVKDFSDKINRALAAAKKDNDFIYHDRVPLKDLDPGKATLVKSTPVNVPISQK
FTDLFEKMPVSVQQSLAAYNQRKADLVNRSIAQMREATTLANGVLASLNLPAAIEDVSGDTPVQSILTK
SRSVIEQGGIQTVDQLIKELPELLQRNREILDESRLLDDEEATDNDLRAKFKERWQRTPSNELYKPLRA
EGTNFRTVLDKAVQADGQVKECYQSHRDTIVLLCKPEPELNAAIPSANPAKTMQGSEVNVLKSLLSNLD
EVKKEREGLNDLKSVMFDMTSKFLTALAQDGVINEEALSVTELDRVYGGTLLTKVQESLKKQEGLLKNIQ
VSHQEFKMKQSNNEANLREEVLKNLATAYDNFVELVANLKEGTFYNELTEILVRFQNKCSDIVFARKT
ERDELLKDLQQSIAREPSAPSIPTPAYQSSPAGGHAPTPTPAPRTMPPTKQPPARPPPPVLPANRAPS
ATAPSPVGAGTAAPAPSQTPGSAPPPQAQGGPYPTYPGYPGYCQMPMPMGYNPYAYGQYNMPYPPVY
HQS
PGQAPYGPQPQPSYFPQPQPSYYPQQ

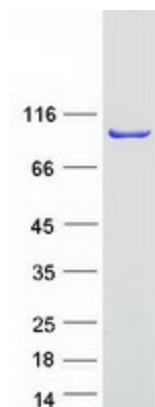
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	95.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_037506
Locus ID:	10015
UniProt ID:	Q8WUM4
RefSeq Size:	5972
Cytogenetics:	3p22.3
RefSeq ORF:	2604
Synonyms:	AIP1; ALIX; DRIP4; HP95
Summary:	<p>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. [provided by RefSeq, Jan 2012]</p>
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis

Product images:

Coomassie blue staining of purified PDCD6IP protein (Cat# TP303735). The protein was produced from HEK293T cells transfected with PDCD6IP cDNA clone (Cat# [RC203735]) using MegaTran 2.0 (Cat# [TT210002]).