

## Product datasheet for PH303735

### ALIX (PDCD6IP) (NM\_013374) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PDCD6IP MS Standard C13 and N15-labeled recombinant protein (NP_037506)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203735
Predicted MW:	96 kDa
Protein Sequence:	>RC203735 protein sequence Red=Cloning site Green=Tags(s)

MATFISVQLKKTSEVDLAKPLVKFIQQTYPSSGEEQAQYCRAAEELSKLRRAAVGRPLDKHEGALETLLR  
YYDQICSIKPKFPFSENQICLFTWKDAFDKGSIFGGSVKLALASLGYEKSCVLFNCAALASQIAAEQNL  
DNDEGLKIAAKHYQFASGAFLHIKETVLSALSREPTVDISPDTVGTLSLIMLAQAQEVFFLKATRDKMKD  
AIIAKLANQAADYFGDAFKQCQYKDTLPKEVFPVLAAKHCIMQANA EYHQSI LAKQKQKFGEEIARLQHA  
AELIKTVASRYDEYVNVKDFSDKINRALAAAKDNDFIYHDRVPLDKLDPIGKATLVKSTPVNVPISQK  
FTDLFEKMPVSVQQLAAYNQKADLVNRSIAQMREATTLANGVLAASLNLPAAI EDVSGDTPVQSILTK  
SRSVIEQGGIQTVDQLIKELPELLQRNREILDESLRLLDEEEATDNDLRAKFKERWQRTPSNELYKPLRA  
EGTNFRTVLDKAVQADGQVKECYQSHRDTIVLLCKPEPELNAAIP SANPAKTMQSGSEVVNLKSLLSNLD  
EVKKEREGLKSVNFDMTSKFLTALAQDGVINEEALSVTELD RYVYGGGLTTKVQESLKKQEGLLKNIQ  
VSHQEF SKMKQSNNEANLREEVLKNLATAYDNFVELVANLKEGTFYNELTEILVRFQNKCSDIVFARKT  
ERDELLKDLQQSIAREPSAPSIPAYQSSPAGGHAPTPTPAPRTMPPTKPQPPARPPPPVLPANRAP  
ATAPSPVGAGTAAAPSQTTPGSAPPPQAQGGPPYPTYPGYPGYCMMPMPMGYNPYAYGQYNMPYPPVYHQ  
PGQAPYPGPQQPSYFPQPPQSYYPQQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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RefSeq: [NP\\_037506](#)

RefSeq Size: 5972

RefSeq ORF: 2604

Synonyms: AIP1; ALIX; DRIP4; HP95

Locus ID: 10015

UniProt ID: [Q8WUM4](#)

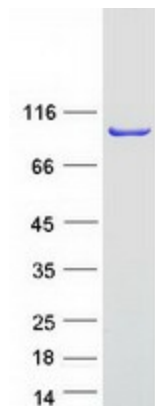
Cytogenetics: 3p22.3

**Summary:** 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]

**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]).