9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

# PDCD6IP Human

*Programmed Cell Death 6 Interacting Protein Human Recombinant*
*RCP1611*

## Product Overview

| | |
|---|---|
| Name | PDCD6IP Human |

**Description**

Programmed Cell Death 6 Interacting Protein Human Recombinant

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| Accession (Primary) | Q8WUM4 |

**Synonyms**

AIP1, Alix, PDCD6-Interacting Protein, DRIP4, ALG-2 interacting protein 1, Programmed cell death 6-interacting protein, Hp95, PDCD6IP, KIAA1375, MGC17003.

**Introduction**

PDCD6IP is a Class E VPS protein which participates in concentration and sorting of cargo proteins of the multivesicular body or incorporation into intralumenal vesicles that are generated by invagination and scission from the limiting membrane of the endosome. PDCD6IP binds to the phospholipid lysobisphosphatidic acid which is abundant in MVBs internal membranes. The MVB pathway appears to require the sequential function of ESCRT-O, -I,-II and -III complexes. PDCD6IP is an adapter for a subset of ESCRT-III proteins, such as CHMP4, to function at distinct membranes. PDCD6IP is mandatory for completion of cytokinesis. PDCD6IP takes part in HIV-1 virus budding. PDCD6IP replaces TSG101 in its function of supporting HIV-1 release. PDCD6IP takes part in the regulation of both apoptosis and cell proliferation. PDCD6IP is a cytoplasmic protein that cooperates with apoptosis-associated proteins (ALG-2 and PDCD6) and with the endocytosis-regulator CIN85. Overexpression of PDCD6IP and endophilin

**Source**

Escherichia Coli.

**Physical Appearance**

Sterile Filtered colorless solution.

**Formulation**

The protein solution (1mg/ml) contains 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Purity**

Greater than 95.0% as determined by SDS-PAGE.

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**Amino acid sequence**

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.

**Precautions**

PDCD6IP Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( Q8WUM4 )