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# Recombinant human PDCD6 protein

Catalog Number: ATGP0978

#### **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

1-191aa

#### **UniProt No.**

075340

#### **NCBI Accession No.**

NP 037364

#### **Alternative Names**

Programmed cell death protein 6, Programmed cell death protein 6, ALG-2, PEF1B, programmed cell death 6, Apoptosis-linked gene 2 protein, FLJ46208, MGC111017, apoptosis-linked gene-2

## PRODUCT SPECIFICATION

#### **Molecular Weight**

24.0 kDa (211aa) confirmed by MALDI-TOF

## Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 10mM Sodium Citrate buffer (pH 3.5) containing 40% glycerol

#### **Purity**

> 95% by SDS-PAGE

#### Tag

His-Tag

# **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## **BACKGROUND**

# Description

Programmed cell death 6, also known as PDCD6, is calcium-binding protein belonging to the penta-EF-hand protein family. Calcium binding is important for homodimerization and for conformational changes required for binding to other protein partners. This gene product participates in T cell receptor-, Fas-, and glucocorticoid-induced programmed cell death. In mice deficient for this gene product, however, apoptosis was not blocked suggesting this gene product is functionally redundant. Recombinant human PDCD6 protein, fused to His-tag at



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N-terminus, was expressed in E. coli and purified by using conventional chromatography.

# **Amino acid Sequence**

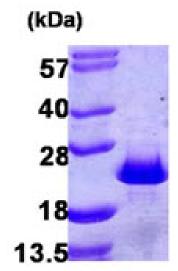
MGSSHHHHHH SSGLVPRGSH MAAYSYRPGP GAGPGPAAGA ALPDQSFLWN VFQRVDKDRS GVISDTELQQ ALSNGTWTPF NPVTVRSIIS MFDRENKAGV NFSEFTGVWK YITDWQNVFR TYDRDNSGMI DKNELKQALS GFGYRLSDQF HDILIRKFDR QGRGQIAFDD FIQGCIVLQR LTDIFRRYDT DQDGWIQVSY EQYLSMVFSI V

#### **General References**

Okumura M., et al. (2009) Biochem. Biophys. Res. Commun. 386:237-241. Suzuki H., et al. (2008), Structure 16:1562-1573

#### **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

