

# Recombinant human PDCD5 (E36G) protein

Catalog Number: PDC0802

## PRODUCT INFORMATION

---

**Expression system**

E.coli

**Domain**

1-125aa

**UniProt No.**

O14737

**NCBI Accession No.**

NP\_004699

**Alternative Names**

Programmed cell death 5, TFAR19, Programmed cell death 5, PDCD5, Programmed cell death 5 Programmed cell death protein 5, TF-1 cell apoptosis-related protein 19, TFAR19 novel apoptosis-related.

## PRODUCT SPECIFICATION

---

**Molecular Weight**

14 kDa (125aa) confirmed by MALDI-TOF

**Concentration**

1mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4)

**Purity**

&gt; 95% by SDS-PAGE

**Tag**

Non-Tagged

**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**

PDCD5 (Programmed cell death 5) encodes a protein expressed in tumor cells during apoptosis independent of the apoptosis-inducing stimuli. Prior to apoptosis induction, this gene product is distributed in both the nucleus and cytoplasm. The conformation of PDCD5 protein is a stable helical core consisting of a triple-helix bundle and two dissociated terminal regions. This is an important novel protein that regulates both apoptotic and non-apoptotic programmed cell death. Recombinant PDCD5 was expressed in E. coli and purified by using

## Recombinant human PDCD5 (E36G) protein

Catalog Number: PDC0802

conventional chromatography techniques.

### Amino acid Sequence

MADEELEALR RQRLAELQAK HGDPGDAAQQ EAKHRGAEMR NSILAQVLDQ SARARLSNLA LVKPEKTKAV ENYLIQMARY  
GQLSEKVSEQ GLIEILKKVS QQTEKTTTVK LNRRKVMDS D EDDDY

### General References

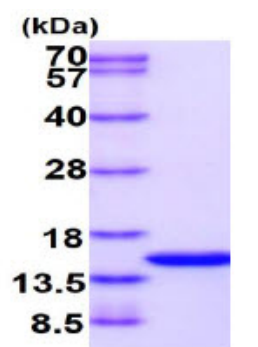
Chen Y., et al. (2001). FEBS Lett. 509(2):191-6.

Wang., et al. (2007). Apoptosis. 12(8):1433-41.

Liu D., et al. (2005). Biochem J. 392, 47-54.

## DATA

### SDS-PAGE



15% SDS-PAGE (3ug)

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