# **PRODUCT INFORMATION**

**Expression system** E.coli

**Domain** 1-125aa

**UniProt No.** 014737

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** > 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



conventional chromatography techniques.

#### **Amino acid Sequence**

MADEELEALR RQRLAELQAK HGDPGDAAQQ EAKHRGAEMR NSILAQVLDQ SARARLSNLA LVKPEKTKAV ENYLIQMARY GQLSEKVSEQ GLIEILKKVS QQTEKTTTVK LNRRKVMDSD 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



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