# **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



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

#### **Amino acid Sequence**

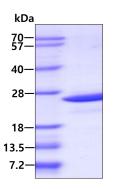
<MGSSHHHHHH SSGLVPRGSH> MAAYSYRPGP GAGPGPAAGA ALPDQSFLWN VFQRVDKDRS GVISDTELQQ ALSNGTWTPF NPVTVRSIIS MFDRENKAGV NFSEFTGVWK YITDWQNVFR TYDRDNSGMI DKNELKQALS GFGYRLSDQF HDILIRKFDR QGRGQIAFDD FIQGCIVLQR LTDIFRRYDT DQDGWIQVSY EQYLSMVFSI V

#### **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**



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