Recombinant human PDCD6 protein

Catalog Number: ATGP0978

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-191aa

UniProt No.
O75340

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

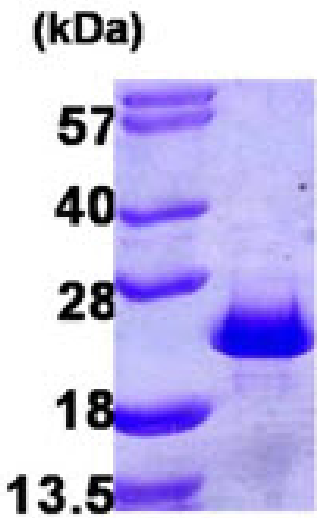
MGSSHHHHHH SSGLVPRGSH MAAYSYRPGP GAGPGPAAGA ALPDQSFLWN VFQRVDKDRS GVISDTELQQ ALSNGTWTPF NPVTVRSIIS MFDRENKAGV NFSEFTGVWK YITDWQNVFR TYDRDNSGMI DKNELKQALS GFGYRLSDQF HDILIRKFDR QGRGQIAFDD FIQGCIVLQR LTDIFRRYDT DQDGWIQVSY EQYLSMVFSI V

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.