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

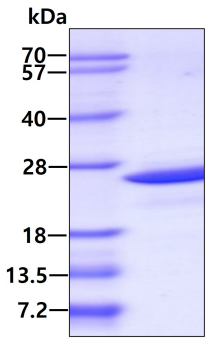
<MGSSHHHHHH SSGLVPRGSH> MAAYSYRPGP GAGPGPAAGA ALPDQSFLWN VFQRVDKDRS GVISDTELQQ ALSNGTWTPF NPVTVRSIIS MFDRENKAGV NFSEFTGVWK YITDWQNVFR TYDRDNSGMI DKNELKQALS GFGYRLSDQF HDILIRKFDR QGRGQIAFDD FIQGCIVLQR LTDIFRRYDT DQDGWIQVSY EQYLSMVFSI V

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



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