

Recombinant human PDCD4 (S48Y) protein

Catalog Number: PDC0801

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-469aa

UniProt No.

Q53EL6

NCBI Accession No.

NP_055271

Alternative Names

Programmed cell death 4 isoform 1, neoplastic transformation inhibitor, H731, MGC33046, MGC33047, Programmed cell death 4 isoform 1, PDPC4, Programmed cell death 4 isoform 1, PDCD4, programmed cell death 4 (neoplastic transformation inhibitor), nuclear antigen H731

PRODUCT SPECIFICATION

Molecular Weight

51 kDa (469aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 0.1M NaCl

Purity

> 90% 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

PDCD4 (Programmed cell death 4) encodes a tumor suppressor protein whose expression is lost in progressed carcinomas of lung, breast, colon, and prostate. The expression of PDCD4 gene is strongly induced during apoptosis in a number of cell types. It is modulated by cytokines in natural killer and T cells. Recombinant human PDCD4, was expressed in E. coli and purified by conventional chromatography techniques.

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Amino acid Sequence

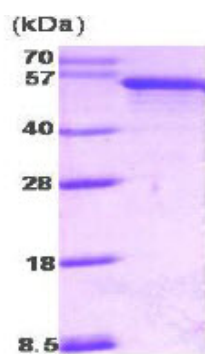
MDVENEQILN VNPADPDNLS DSLFSGDEEN AGTEEIKNEI NGNWISAYSI NEARINAKAK RRLRKNSSRD SGRGDSVSDS
GSDALRSGLT VPTSPKGRLL DRRSRSGKGR GLPKKGGAGG KGVWGTPGQV YDVEEVDVKD PNYDDDQENC
VYETVVLPLD ERAFEKTLTP IIQEYFEHGD TNEVAEMLRD LNLGEMKSGV PVLAVSLALE GKASHREMTS KLLSDLCGTV
MSTTDVEKSF DKLLKDLPEL ALDTPRAPQL VGQFIARAVG DGILCNTYID SYKGTVDCVQ ARAALDKATV LLSMSKGGKR
KDSVWGS GGG QQSVNHLVKE IDMLLKEYLL SGDISEAEHC LKELEVPHFH HELVYEAIM VLESTGESTF KMILDLLKSL
WKSSTITVDQ MKRGYERIYN EIPDINLDVP HSYSVLERFV EECFQAGIIS KQLRDLCPSR GRKRFVSEGD GGRLKPESY

General References

Yoshinaga H., et al. (1999) Pathol Int. 49(12):1067-77.
Palamarchuk A., et al. (2006) Cancer Res. 65(24):11282-6.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)