

Recombinant Human PDCD6 protein, His-tagged

Cat. No. PDCD6-3427H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDCD6(1-191aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-191 a.a.
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.
Form	Liquid. In 10mM sodium citrate(pH 3.5) containing 40% glycerol
Molecular Mass	24.0 kDa (211aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSHMFDRENKAGV NFSEFTGVWK YITDWQNVFR TYDRDNSGMI DKNELKQALS GFGYRLSDQF HDILIRKFDR QGRGQIAFDD FIQGCIVLQR MAAYSYPGP GAGPGAAGA ALPDQSFLWN VFQRVDKDRS GVISDTLQQ ALSNGTWTPF NPVTVRSIISLTDIFRRYDT DQDGIQVSY

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EQYLSMVFSI V

Purity >95% by SDS - PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [PDCD6 programmed cell death 6 \[Homo sapiens \]](#)

Official Symbol [PDCD6](#)

Synonyms PDCD6; programmed cell death 6; programmed cell death protein 6; ALG 2; apoptosis linked gene 2; PEF1B; apoptosis-linked gene-2; apoptosis-linked gene 2 protein; probable calcium-binding protein ALG-2; ALG-2; MGC9123; FLJ46208; MGC111017; MGC119050;

Gene ID [10016](#)

mRNA Refseq [NM_013232](#)

Protein Refseq [NP_037364](#)

MIM [601057](#)

UniProt ID [O75340](#)

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Chromosome Location	5p15.33
Function	binding, bridging; calcium ion binding; calcium ion binding; calcium-dependent protein binding; calcium-dependent protein binding; protein binding; protein dimerization activity; protein homodimerization activity;

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