
Product Data Sheet

Product Name: PDCD5 Human
 Cat. No.: GP24149
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Programmed cell death protein 5; TF-1 cell apoptosis-related protein 19; Protein TFAR19; PDCD5; TFAR19; MGC9294.		
Amino Acid Sequence	MADEELEALR RQRLAELQAK HGDPGDAAQQ EAKHRGAEMR NSILAQVLDQ SARARLSNLA LVKPEKTKAV ENYLIQMARY GQLSEKVSEQ GLIEILKKVS QQTEKTTTVK LNRRKVMDS D EDDDY.		
Formulation	PDCD5 protein solution contains 1x PBS pH-7.4.		

Introduction

PDCD5 is expressed in tumor cells during apoptosis independent of the apoptosis-inducing stimuli. Prior to apoptosis induction, PDCD5 is distributed in both the nucleus and cytoplasm. Once apoptosis is induced, the amount of PDCD5 increases and by relocation from the cytoplasm, it accumulates in the nucleus. PDCD5 protein has a stable helical core conformation consisting of a triple-helix bundle and two dissociated terminal regions. PDCD5 is an important novel protein that regulates both apoptotic and non-apoptotic programmed cell death. PDCD5 functions in the process of apoptosis. PDCD5 plays an important role in regulation of apoptotic processes in gastric cancer cells and gastric tumors. PDCD5 plays a role in the pathogenesis of rheumatoid arthritis. -27G/-11A SNP is associated with reduced PDCD5 promoter activity and increased susceptibility to chronic myelogenous leukemia. PDCD5 gene may be a target gene under the control of some important apoptosis-related transcriptional factors during the cell apoptosis.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

PDCD5 Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 125 amino acids and having a molecular mass of 14 kDa.

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