

Product datasheet

Recombinant Human PDCD4 protein ab172822

Description

Product name	Recombinant Human PDCD4 protein	
Purity	> 95 % SDS-PAGE. Purity is greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. Supplied as a 0.2 µM filtered solution.	
Endotoxin level	< 1.000 Eu/µg	
Expression system	Escherichia coli	
Accession	Q53EL6	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MKASHREMTSKLLSDLCGTMSTTDVEKSFDKLLKDLPE LALDTPRAPQL VGQFIARAVGDGILCNTYDSYKGTVDVCVQARAALDKATVL LSMSKGGKR KDSVWGSGGGQQSVNHLVKEIDMLLKEYLLSGDISEAEH CLKELEVPLEH HHHHH	
Predicted molecular weight	17 kDa including tags	
Amino acids	212 to 357	
Tags	His tag C-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab172822** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	HPLC SDS-PAGE
Form	Liquid

Preparation and Storage

Stability and Storage Shipped on Dry Ice. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.40
Constituent: 100% PBS

Supplied as a 0.2 μ M filtered solution.

General Info

Function	Inhibits translation initiation and cap-dependent translation. May exert its function by hindering the interaction between EIF4A1 and EIF4G. Inhibits the helicase activity of EIF4A. Modulates the activation of JUN kinase. Down-regulates the expression of MAP4K1, thus inhibiting events important in driving invasion, namely, MAPK85 activation and consequent JUN-dependent transcription. May play a role in apoptosis. Tumor suppressor. Inhibits tumor promoter-induced neoplastic transformation. Binds RNA.
Tissue specificity	Up-regulated in proliferative cells. Highly expressed in epithelial cells of the mammary gland. Reduced expression in lung cancer and colon carcinoma.
Sequence similarities	Belongs to the PDCD4 family. Contains 2 MI domains.
Domain	Binds EIF4A1 via both MI domains.
Post-translational modifications	Polyubiquitinated, leading to its proteasomal degradation. Rapidly degraded in response to mitogens. Phosphorylation of the phosphodegron promotes interaction with BTRC and proteasomal degradation.
Cellular localization	Nucleus. Cytoplasm. Shuttles between the nucleus and cytoplasm. Predominantly nuclear under normal growth conditions, and when phosphorylated at Ser-457. Exported from the nucleus in the absence of serum.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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