Datasheet for ABIN5713912

TRIM21 Protein (AA 1-475, full length) (His tag)

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1 Image

Overview

Quantity:	100 µg
Target:	TRIM21
Protein Characteristics:	full length, AA 1-475
Origin:	Human
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM21 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MASAARLTMM WEEVTCPICL DPFVEPVSIE CGHSFCQECI SQVGKGGGSV CPVCRQRFLL KNLRPNRQLA NMVNNLKEIS QEAREGTQGE RCAVHGERLH LFCEKDGKAL CWVCAQSRKH RDHAMVPLEE AAQEYQEKLQ VALGELRRKQ ELAEKLEVEI AIKRADWKKT VETQKSRIHA EFVQQKNFLV EEEQRQLQEL EKDEREQLRI LGEKEAKLAQ QSQALQELIS ELDRRCHSSA LELLQEVIIV LERSESWNLK DLDITSPELR SVCHVPGLKK MLRTCAVHIT LDPDTANPWL ILSEDRRQVR LGDTQQSIPG NEERFDSYPM VLGAQHFHSG KHYWEVDVTG KEAWDLGVCR DSVRRKGHFL LSSKSGFWTI WLWNKQKYEA GTYPQTPLHL QVPPCQVGIF LDYEAGMVSF YNITDHGSLI YSFSECAFTG PLRPFFSPGF NDGGKNTAPL TLCPLNIGSQ GSTDY
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	TRIM21
Alternative Name:	RO52 (TRIM21 Products)
Background:	E3 ubiquitin-protein ligase whose activity is dependent on E2 enzymes, UBE2D1, UBE2D2, UBE2E1 and UBE2E2. Forms a ubiquitin ligase complex in cooperation with the E2 UBE2D2 that is used not only for the ubiquitination of USP4 and IKBKB but also for its self-ubiquitination. Component of cullin-RING-based SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complexes such as SCF(SKP2)-like complexes. A TRIM21-containing SCF(SKP2)-like complex is shown to mediate ubiquitination of CDKN1B ('Thr-187' phosphorylated-form), thereby promoting its degradation by the proteasome. Monoubiquitinates IKBKB that will negatively regulates Tax-induced NF-kappa-B signaling. Negatively regulates IFN-beta production post-pathogen recognition by polyubiquitin-mediated degradation of IRF3. Mediates the ubiquitin-mediated proteasomal degradation of IgG1 heavy chain, which is linked to the VCP-mediated ER-associated degradation (ERAD) pathway. Promotes IRF8 ubiquitination, which enhanced the ability of IRF8 to stimulate cytokine genes transcription in macrophages. Plays a role in the regulation of the cell cycle progression. Enhances the decapping activity of DCP2. Exists as a ribonucleoprotein particle present in all mammalian cells studied and composed of a single polypeptide and one of four small RNA molecules. At least two isoforms are present in nucleated and red blood cells, and tissue specific differences in RO/SSA proteins have been identified. The common feature of these proteins is their ability to bind HY RNAs.2
Molecular Weight:	56.17 kDa
UniProt:	P19474

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

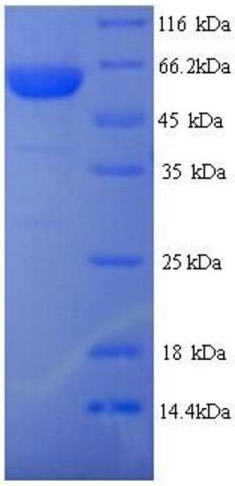
Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing

Handling

is not recommended. Store working aliquots at 4°C for up to one week.

Images



SDS-PAGE

Image 1.