

Recombinant Homo sapiens E3 ubiquitin-protein ligase TRIM21

Catalog No: #AP72826

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Package Size: #AP72826-1 20ug #AP72826-2 100ug #AP72826-3 1mg

Description

Product Name	Recombinant Homo sapiens E3 ubiquitin-protein ligase TRIM21
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-475aaSequence Info:Full Length
Other Names	52KDA Ro protein52KDA ribonucleoprotein autoantigen Ro,SS-ARING finger protein 81Ro(SS-A)Sjoegren syndrome type A antigen ;SS-ATripartite motif-containing protein 21
Accession No.	P19474
Uniprot	P19474
GeneID	6737;
Calculated MW	56.2 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MASAARLTMMWEEVTCPICLDPFVPEVPSIECGHSFCQECISQVKGKGGGSVCPVCRQRFLLNLRPNRQLANM VNNLKEISQEAREGTQGERCAVHGERLHLFCEKDGKALCWVCAQSRKHRDHAMVPLEEAAQEYQEKLQVAL GELRRKQELAEKLEVEIAIKRADWKKTVETQKSRIHAEFVQKKNFLVEEQRLQELEKDEREQLRILGEKEAK LAQQSQALQELISELDRRCHSSALELLQEVIIVLERSSESWNLKDLDITSPELRSVCHVPLKMLRRTCAVHITLD PDTANPWLILSEDRRQVRLGDTQQSIPGNEERFDSYPMVLGAQHFHSGKHYYWEVDVTGKEAWDLGVCRDSV RRKGHLLSSKSGFWTIWLWNKQKYEAGTYPQTPLHLQVPPCQVGIFLDYEAGMVSFYNITDHGSLIYSFSEC AFTGPLRPFSPGFNDGGKNTAPLTLCPNIGSQGSTDY
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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

References

Protein heterogeneity in the human Ro,SSA ribonucleoproteins. The 52- and 60-kD Ro,SSA autoantigens are encoded by separate genes. Itoh K., Itoh Y., Frank M.B.J. Clin. Invest. 87:177-186(1991) Research Topic: Epigenetics and Nuclear Signaling

Note: This product is for in vitro research use only