

Native Cow TRIM21

Cat. No. TRIM21-212B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cow full length TRIM21 was purified from Bovine thymus tissue.
Species	Cow
Source	Bovine Thymus
Description	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 Mass	54kDa
Formulation	Liquid

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Purity	>90% as determined by SDSPAGE
Storage buffer	Constituents: 20% Glycerol, 0.1% Micr-O-protect
Applications	ELISA; SDS-PAGE
Storage	Shipped on dry ice. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
OfficialSymbol	TRIM21
Full Length	Full L.

GENE INFORMATION

Gene Name	TRIM21 tripartite motif containing 21 [Bos taurus]
Synonyms	E3 ubiquitin-protein ligase TRIM21; SS-A; ro(SS-A); 52 kDa Ro protein; 52kD Ro/SSA autoantigen; tripartite motif-containing 21; sjogren syndrome type A antigen; tripartite motif-containing protein 21; 52 kDa ribonucleoprotein autoantigen Ro/SS-A
Gene ID	359715
mRNA Refseq	NM_182655
Protein Refseq	NP_872596
UniProt ID	Q7YRV4
Chromosome Location	15

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Pathway	Systemic lupus erythematosus
Function	DNA binding; RNA binding; ubiquitin-protein ligase activity; zinc ion binding
PDB rendering basedon 2iwg.	

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