

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

## GENE INFORMATION

<b>Gene Name</b>	TRIM21 tripartite motif containing 21 [ <i>Bos taurus</i> ]
<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">359715</a>
<b>mRNA Refseq</b>	<a href="#">NM_182655</a>
<b>Protein Refseq</b>	<a href="#">NP_872596</a>
<b>UniProt ID</b>	<a href="#">Q7YRV4</a>
<b>Chromosome Location</b>	15

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<b>Pathway</b>	Systemic lupus erythematosus
<b>Function</b>	DNA binding; RNA binding; ubiquitin-protein ligase activity; zinc ion binding
<b>PDB rendering based on 2iwg.</b>	

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