

## Recombinant Human TRIM21, GST-tagged

**Cat. No.** TRIM21-106H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human TRIM21 full-length ORF (1 a.a. - 475 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | <p>This gene encodes a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The encoded protein is part of the RoSSA ribonucleoprotein, which includes a single polypeptide and one of four small RNA molecules. The RoSSA particle localizes to both the cytoplasm and the nucleus. RoSSA interacts with autoantigens in patients with Sjogren syndrome and systemic lupus erythematosus. Alternatively spliced transcript variants for this gene have been described but the full-length nature of only one has been determined.</p> |
| <b>Molecular Mass</b>   | 77.99 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | <p>MASAARLTMMWEEVTCPICLDPFVEPVSIIEGHSFCQECISQVGKGGGSVCPVCRQ<br/> RFLKLNLRPNRQLANMVNN LKEISQEAREGTQGGERCAV HGERLHLFCEKDGKALC<br/> WVCAQSRKHRDHAMVPLEEAAQEYQEKLQVALGELRRK QELAEKLEVEIAIKRAD<br/> WKKT VETQKSRIHAEFVQQKNF LVEEEQRQLQELEKDEREQLRILGEKEAKLAQQS<br/> Q ALQELISELDRRCHSSALELLQEVIIVLRSSESWNLKDLDITSPELRSVCHVPGLKK<br/> ML RTCAVHITLDPDTAN PWLILSEDRRQVRLGDTQQSIPGNEERFDSYPMVLGAQH</p>                                                                                                                                                                                                                                                           |

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FHSGKHYYWEVDVTGKEAWDLGVCRDSVRRKGHFLLS SKSG FWTIWLWNKQKYE  
AGTYPQTPLHLQVPPCQVGIFLDYEAGMVSYFNITDHGSLIYSFSECAFTGPLRPFF  
SPGFNDGGKNTAPLTLCLNIGSQGSTDY

**Applications** ELISA; WB-Re; AP; Array

**Storage** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** [TRIM21 tripartite motif containing 21 \[ Homo sapiens \(human\) \]](#)

**Official Symbol** TRIM21

### Synonyms

TRIM21; SSA; RO52; SSA1; RNF81; tripartite motif containing 21; E3 ubiquitin-protein ligase TRIM21; SS-A; ro(SS-A); 52 kDa Ro protein; RING finger protein 81; Sicca syndrome antigen A; tripartite motif-containing 21; sjogren syndrome type A antigen; tripartite motif-containing protein 21; 52 kDa ribonucleoprotein autoantigen Ro/SS-A; Sjogren syndrome antigen A1 (52kDa, ribonucleoprotein autoantigen SS-A/Ro)

**Gene ID** [6737](#)

**mRNA Refseq** [NM\\_003141](#)

**Protein Refseq** [NP\\_003132](#)

**MIM** [109092](#)

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>UniProt ID</b>          | P19474                                                                                                                            |
| <b>Chromosome Location</b> | 11p15.5                                                                                                                           |
| <b>Pathway</b>             | Adaptive Immune System; Antigen processing: Ubiquitination & Proteasome degradation; Cytosolic sensors of pathogen-associated DNA |
| <b>Function</b>            | DNA binding; RNA binding; ubiquitin-protein ligase activity                                                                       |

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