

Recombinant Human TRIM21, GST-tagged

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

SPECIFICATION

Product Overview	Human TRIM21 full-length ORF (1 a.a. - 475 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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.
Molecular Mass	77.99 kDa
AA Sequence	MASAARLTMMWEEVTCPICLDPFVEPVSIIEGHSFCQECISQVGKGGGSVCPVCRQ RFLKLNLRPNRQLANMVNN LKEISQEAREGTQGGERCAV HGERLHLFCEKDGKALC WVCAQSRKHRDHAMVPLEEAAQEYQEKLQVALGELRRK QELAEKLEVEIAIKRAD WKKT VETQKSRIHAEFVQQKNF LVEEEQRQLQELEKDEREQLRILGEKEAKLAQQS Q ALQELISELDRRCHSSALELLQEVIIVLRSSESWNLKDLDITSPELRSVCHVPGLKK ML RTCAVHITLDPDTAN PWLILSEDRRQVRLGDTQQSIPGNEERFDSYPMVLGAQH

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FHSGKHYWEVDVTGKEAWDLGVCRDSVRRKGHFLLS SKSG FWTIWLWNKQKYE
AGTYPQTPLHLQVPPCQVGIFLDYEAGMVSFYNNITDHGSLIYSFSECAFTGPLRPFF
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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UniProt ID	P19474
Chromosome Location	11p15.5
Pathway	Adaptive Immune System; Antigen processing: Ubiquitination & Proteasome degradation; Cytosolic sensors of pathogen-associated DNA
Function	DNA binding; RNA binding; ubiquitin-protein ligase activity

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