

Recombinant Human TRIM21, His-tagged

Cat. No. TRIM21-115H Lot. No. (See product label)

SPECIFICATION

Product Overview	TRIM21 is expressed with a -6x His tag at N-terminus and purified by proprietary chromatographic techniques.
Species	Human
Source	Sf9 Cells
ProteinLength	1-475 aa
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.
Form	Sterile Filtered clear solution. TRIM21 is supplied in 20mM HEPES pH-7.5, 0.01mM EDTA and 0.02% SDS.
Molecular Mass	54,922 Dalton
Purity	Greater than 90% as determined by SDS-PAGE.

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Applications	Western blot with: a) SLE sera (secondary Sjogren's syndrome). b) Monoclonal anti-hexa-His-tag antibody.
Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.
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
UniProt ID	P19474
Chromosome Location	11p15.5

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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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