

## Recombinant Full Length Human TRIM21 Protein (1-475), C-His-tagged

Cat. No. TRIM21-11H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Human TRIM21 (aa 1-475) fused at the N-terminus to a Lipoyl domain (bacterial pyruvate dehydrogenase) and at the C-terminus to a 6xHis-tag was expressed in E. coli.

**Species** Human

**Source** E.coli

**ProteinLength** 1-475

**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** Lyophilized

**Molecular Mass** ~68 kDa

**Endotoxin** <0.01 EU/μg purified protein (LAL test).

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<b>Purity</b>	≥ 90% SDS-PAGE
<b>Stability</b>	Stable for at least 6 months after receipt when stored at -20 centigrade. Working aliquots are stable for up to 3 months when stored at -20 centigrade.
<b>Storage</b>	Short Term Storage: +4 centigrade Long Term Storage: -20 centigrade
<b>Concentration</b>	0.1 mg/mL after reconstitution.
<b>Storage Buffer</b>	Contains 50mM Tris-HCl, pH 8 and 300mM NaCl.
<b>Reconstitution</b>	Reconstitute with 100 µL sterile water.
<b>Handling</b>	After reconstitution, prepare aliquots and store at -20 centigrade. Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution. PBS containing at least 0.1% BSA should be used for further dilutions.
<b>Shipping</b>	BLUE ICE
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	TRIM21 tripartite motif containing 21 [ Homo sapiens (human) ]
<b>Official Symbol</b>	TRIM21
<b>Synonyms</b>	TRIM21; tripartite motif containing 21; SSA; RO52; SSA1; RNF81; Ro/SSA; E3 ubiquitin-protein ligase TRIM21; 52 kDa Ro protein; 52 kDa ribonucleoprotein autoantigen Ro/SS-A; RING finger protein 81; RING-type E3 ubiquitin transferase TRIM21; Ro/SSA 52kDa; SS-A; Sicca syndrome antigen A; Sjogren syndrome

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antigen A1 (52kDa, ribonucleoprotein autoantigen SS-A/Ro); ro(SS-A); sjogren syndrome type A antigen; tripartite motif-containing protein 21; EC 2.3.2.27

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

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

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

**MIM** [109092](#)

**UniProt ID** [P19474](#)

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