

Recombinant Human TRIM21

Cat. No. TRIM21-30033TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human SSA1 with N terminal proprietary tag; Predicted MWt 37.51 kDa including the tag.
Species	Human
Source	Wheat Germ
ProteinLength	108 amino acids
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 Weight	37.510kDa inclusive of tags
Tissue specificity	Isoforms 1 and 2 are expressed in fetal and adult heart and fetal lung.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	QLANMVNNLKEISQEAREGTQGERCAVHGERLHLFCEKDG KALCWVCAQSRKHR DHAMVPLEEAAQEYQEKLQVALGELR RKQELAЕКLEVEIAIKRADWKKT VETQK
Sequence Similarities	Belongs to the TRIM/RBCC family.Contains 1 B box-type zinc finger.Contains 1 B30.2/SPRY domain.Contains 1 RING-type zinc finger.

GENE INFORMATION

Gene Name	TRIM21 tripartite motif containing 21 [Homo sapiens]
Official Symbol	TRIM21
Synonyms	TRIM21; tripartite motif containing 21; Sjogren syndrome antigen A1 (52kDa, ribonucleoprotein autoantigen SS A/Ro) , SSA1, tripartite motif containing 21; E3 ubiquitin-protein ligase TRIM21; RNF81; RO52;
Gene ID	6737
mRNA Refseq	NM_003141
Protein Refseq	NP_003132
MIM	109092
Uniprot ID	P19474

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Chromosome Location	11p15.5-p15.3
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem;
Function	DNA binding; RNA binding; ligase activity; metal ion binding; protein binding;

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