

Recombinant Full Length Human TRIM21, MYC/DDK-tagged

Cat. No. TRIM21-105H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TRIM21 fused with C-terminal MYC/DDK, was expressed in HEK293 Cells.
Species	Human
Source	HEK293
ProteinLength	1-475 a.a.
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	54 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Storage	Store at -80C. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

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Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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
Pathway	Adaptive Immune System; Antigen processing: Ubiquitination & Proteasome

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degradation; Cytosolic sensors of pathogen-associated DNA

Function

DNA binding; RNA binding; ubiquitin-protein ligase activity

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