

# Recombinant Full Length Human TRIM21 protein, N-His-tagged

**Cat. No.** TRIM21-564H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human full length TRIM21 was expressed in E.coli with N-terminal his tag.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 1-475 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 56.17kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MASAARLTMMWEEVTCPICLDPFVEPVSIIECGHSFCQECISQVGKGGGSVCPVCRQ<br>RFLKLNLRPNRQLANMVNNLKEISQEAREGTQGERCAVHGERLHLFCEKDGKALC<br>WVCAQSRKHRDHAMVPLEEAAQEYQEKLQVALGELRRKQELAIEKLEVEIAIKRADW                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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KKTVETQKSRIHAEFVQQKNFLVEEEQRQLQELEKDEREQLRILGEKEAKLAQQSQA  
 LQELISELDRRCHSSALELLQEVIIVLSESWNLKDLDTSPELRSVCHVPGLKKMLR  
 TCAVHITLDPDTANPWLILSEDRRQVRLGDTQQSIPGNEERFDSYPMVLGAQHFS  
 GKHYWEVDVTGKEAWDLGVCRDSVRRKGHFLSSKSGFWTIWLWNKQKYEAGTY  
 PQTPLHLQVPPCQVGIFLDYEAGMVSFYNITDHGSLIYSFSECAFTGPLRPFFSPGFN  
 DGGKNTAPLTLCLNIGSQGSTDY

|                    |                                                            |
|--------------------|------------------------------------------------------------|
| <b>Purity</b>      | >85% (SDS-PAGE)                                            |
| <b>Stability</b>   | Store working aliquots at 4 centigrade for up to one week. |
| <b>Storage</b>     | Store at -20 centigrade or -80 centigrade.                 |
| <b>Full Length</b> | Full L.                                                    |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TRIM21 tripartite motif containing 21 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                                                             |
| <b>Official Symbol</b> | TRIM21                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>        | 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) |
| <b>Gene ID</b>         | 6737                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>     | NM_003141                                                                                                                                                                                                                                                                                                                                                                                                                  |

|                |           |
|----------------|-----------|
| Protein Refseq | NP_003132 |
| MIM            | 109092    |
| UniProt ID     | P19474    |

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