

TRIM21 recombinant protein

TRIM21 protein (His tag)

CATALOG #
AAA24007

HOST
E.coli

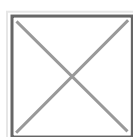
PRODUCT SYNONYMS

TRIM21; TRIM21 protein (His tag); 52 KDa Ribonucleoprotein Autoantigen Ro; Ro-52 protein; Trim21 protein; RNF81 protein; RO52 protein; SSA protein; SSA1 protein; TRIM 21 protein; TRIM21 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 90% pure Purified using proprietary chromatographic techniques.
Form/Format	Liquid in 50mM Tris, pH 8.5, with 150mM NaCl, 0.02% SDS, 10% glycerol, 1mM EDTA, and 2mM DTT.
Concentration	1mg/ml (varies by lot)
Purification Method	Purified using proprietary chromatographic techniques
Protein Type	Recombinant
Biological Significance	TRIM21 is an intracellular antibody effector in the intracellular antibody-mediated proteolysis pathway. It binds to immunoglobulin G as well as immunoglobulin M on antibody marked non-enveloped virions which have infected the cell.
Species	Human
Residues	1-285aa
Tag/Conjugate	His tag
Expression	As a component of the proteolysis pathway, TRIM21 is expressed in most human tissues. Tissue and cell localizatin: TRIM21 is mainly found in the cytoplasm and the nucleus. Isoform 1 and isoform 2 are expressed in fetal and adult heart and fetal lung.
Implications in Disease	TRIM21 interacts with autoantigens in patients with Sjogren's Syndrome and systematic lupus erythematosus.
Post-Translational Modifications	TRIM21 is autoubiquitinated which does not lead to its proteasomal degradation. Deubiquitinated by USP4; leading to its stabilization. Ubiquitination occurs at Lys260.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Shipping: Ships on dry ice. Upon receipt store at -70°C. Avoid repeated freeze-thaw cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for TRIM21 recombinant protein	Purified recombinant TRIM21 (Ro52) protein (His tag)
Product Categories/Family for TRIM21 recombinant protein	Immunology; Conjugated Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	71060001
NCBI GeneID	20821
UniProt Accession #	Q921V6; Q62191
Molecular Weight	31 kDa
NCBI Official Full Name	Trim21
NCBI Official Synonym Full Names	tripartite motif-containing 21
NCBI Official Symbol	Trim21
NCBI Official Synonym Symbols	Ro52; Ssa1
NCBI Protein Information	E3 ubiquitin-protein ligase TRIM21
UniProt Protein Name	Trim21 protein
UniProt Gene Name	Trim21
UniProt Entry Name	Q921V6_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/trim21-recombinant-protein-e-coli/24007>