

E3 ubiquitin-protein ligase TRIM21 (Trim21) Recombinant Protein | Trim21 recombinant protein

Recombinant Mouse E3 ubiquitin-protein ligase TRIM21 (Trim21)

CATALOG # AAA18746	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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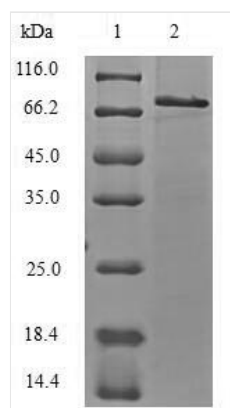
PRODUCT SYNONYMS

E3 ubiquitin-protein ligase TRIM21 (Trim21); Recombinant Mouse E3 ubiquitin-protein ligase TRIM21 (Trim21); 52 kDa Ro protein; 52 kDa ribonucleoprotein autoantigen Ro/SS-A; Ro(SS-A); Sjogren syndrome type A antigen; SS-A; Tripartite motif-containing protein 21; Trim21 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-470aa; Full Length
Sequence	MSPSTTSKMS LEKMWEEVTC SICLDPMVEP MSIECGHCFC KECIFEVGKN GGSSCPECRQ QFLLRNLRPN RHIANMVENL KQIAQNTKKS TQETHCMKHG EKLHLFCEED GQALCWVCAQ SGKHRDHTRV PIEEAQVYQ EKIHVVLEKL RKGKELAEKM EMDLTMQRD WKRNIQTQS RIHAEFALQN SLLAQEEQRQ LQRLEKDQRE YLRLLGKKEA ELAEKNQALQ ELISELERRI RGSELELLQE VRIILERSGS WNLDTLDDA PDLTSTCPVP GRKKMLRTCW VHITLDRNTA NSWLIISKDR RQVRMGDTHQ NVSDNKERFS NYPMVLGAQR FSSGKMYWEV DVTQKEAWDL GVC RDSVQRK GQFSLSPENG FWTIWLWQDS YEAGTSPQTT LHIQVPPCQI GIFVDYEAGV VSFYNITDHG SLIYTFSECV FAGPLRPFFN VGFNYSGGNA APLKLCPLKM
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Trim21 recombinant protein	E3 ubiquitin-protein ligase whose activity is dependent on E2 enzymes, UBE2D1, UBE2D2, UBE2E1 and UBE2E2. Forms a ubiquitin ligase complex in cooperation with the E2 UBE2D2 that is used not only for the ubiquitination of USP4 and IKBKB but also for its self-ubiquitination. Component of cullin-RING-based SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complexes such as SCF(SK2)-like complexes. A TRIM21-containing SCF(SK2)-like complex is shown to mediate ubiquitination of CDKN1B ('Thr-187' phosphorylated-form), thereby promoting its degradation by the proteasome. Monoubiquitinates IKBKB that will negatively regulates Tax-induced NF-kappa-B signaling. Negatively regulates IFN-beta production post-pathogen recognition by polyubiquitin-mediated degradation of IRF3. Mediates the ubiquitin-mediated proteasomal degradation of IgG1 heavy chain, which is linked to the VCP-mediated ER-associated degradation (ERAD) pathway. Promotes IRF8 ubiquitination, which enhanced the ability of IRF8 to stimulate cytokine genes transcription in macrophages. Plays a role in the regulation of the cell cycle progression. Enhances the decapping activity of DCP2. Exists as a ribonucleoprotein particle present in all mammalian cells studied and composed of a single polypeptide and one of four small RNA molecules. At least two isoforms are present in nucleated and red blood cells, and tissue specific differences in RO/SSA proteins have been identified. The common feature of these proteins is their ability to bind HY RNAs. 2.
References	Structural differences between the human and mouse 52-kD Ro autoantigens associated with poorly conserved autoantibody activity across species.Keech C.L., Gordon T.P., McCluskey J.Clin. Exp. Immunol. 104:255-263(1996) Autoantigen Ro52 is an interferon inducible E3 ligase that ubiquitinates IRF-8 and enhances cytokine expression in macrophages.Kong H.J., Anderson D.E., Lee C.H., Jang M.K., Tamura T., Tailor P., Cho H.K., Cheong J., Xiong H., Morse H.C. III, Ozato K.J. Immunol. 179:26-30(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	3024571
NCBI GeneID	20821
UniProt Accession #	Q62191
Molecular Weight	70.2 kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase 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	E3 ubiquitin-protein ligase TRIM21
UniProt Gene Name	Trim21
UniProt Synonym Gene Names	Ro52; Ssa1; SS-A
UniProt Entry Name	RO52_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.