

Recombinant Mouse Trim21 Protein, His&Avi-tagged, Biotinylated

Cat. No. Trim21-7433MB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Trim21 Protein(NP_001076021.1) (Met1-Met462) was expressed in Insect Cells with a N-terminal polyhistidine tag followed by an AVI tag. The expressed protein was biotinylated in vivo by the Biotin-Protein ligase (BirA enzyme) which is co-expressed.
Species	Mouse
Source	Insect Cells
ProteinLength	1-462 aa
Conjugation/Label	Biotin
Form	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 20% Glycerol, 0.2 M Arg, 1 mM TCEP, pH 8.0.
Bio-activity	1.Loaded Biotinylated Recombinant Mouse TRIM21 Protein, His Tag on SA Biosensor, can bind Herceptin with an affinity constant of 4.58 nM as determined in BLI assay (Sartorius Octet RED384). 2.Loaded Biotinylated Recombinant Mouse TRIM21 Protein, His Tag on SA Biosensor, can bind Rituximab with an affinity constant of 8.76 nM as determined in BLI assay (Sartorius Octet RED384). 3.Loaded Biotinylated Recombinant Mouse TRIM21 Protein, His Tag on SA Biosensor, can bind OKT3 with an affinity constant of 17.6 nM as determined in BLI assay (Sartorius Octet RED384).

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Molecular Mass	The recombinant Mouse TRIM21 comprises 488 amino acids and has a predicted molecular mass of 56.65 kDa. It migrates as approximately 49.4 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	≥ 80 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Trim21 tripartite motif-containing 21 [<i>Mus musculus</i>]
Official Symbol	Trim21
Synonyms	TRIM21; tripartite motif-containing 21; E3 ubiquitin-protein ligase TRIM21; SS-A; ro(SS-A); 52 kDa Ro protein; 52kD Ro/SSA autoantigen; Sjogren syndrome antigen A1; tripartite motif protein 21; sjogren syndrome type A antigen; tripartite motif-containing protein 21; 52 kDa ribonucleoprotein autoantigen Ro/SS-A; Ro52; Ssa1;
Gene ID	20821
mRNA Refseq	NM_001082552
Protein Refseq	NP_001076021

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