

## TRIM21 Protein, Mouse, Recombinant (His & Avi), Biotinylated

### General Information

Synonyms:	Ssa1;Ro52;Trim21
Protein Construction:	A DNA sequence encoding the Mouse TRIM21 (NP_001076021.1) (Met1-Met462) was expressed 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
Expression Host:	Baculovirus Insect Cells
Accession:	Q3U7K7
Molecular Weight:	56.65 kDa (predicted); 49.4 kDa (reducing condition)

### QC Testing

Biological Activity:	<ol style="list-style-type: none"><li>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) (Routinely tested).&lt;br&gt;</li><li>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) (Routinely tested).&lt;br&gt;</li><li>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) (Routinely tested).&lt;br&gt;</li></ol>
Purity:	≥ 80% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 20% Glycerol, 0.2 M Arg, 1 mM TCEP, pH 8.0. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hardcopy of datasheet or the lot-specific COA.

### Preparation and Storage

#### Reconstitution:

Please refer to the lot-specific COA.

#### Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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