

# Active Recombinant Mouse ST2 protein(Met1-Arg332), hFc-tagged

**Cat. No.** ST2-1622M    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse ST2 (NP_001020773.1) (Met1-Arg332) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Arg332
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	1.Measured by its binding ability in a functional ELISA. 2. Immobilized Canine IL33 at 10µg/mL (100µL/well) can bind mouse IL1RL1-Fc, the EC50 of mouse IL1RL1-Fc is 0.05-0.3 µg/mL.
<b>Molecular Mass</b>	The recombinant mouse ST2 comprises 544 amino acids and has a predicted molecular mass of 61.8 kDa. The apparent molecular mass of the protein is approximately 93.2 kDa in SDS-PAGE under reducing conditions due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 90 % as determined by SDS-PAGE

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**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.

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