

RP00271

Leader in Biomolecular Solutions for Life Science



Recombinant Human IL1RL1/ST2 Protein

Catalog No.: RP00271

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	9173	Q01638-2

Tags

C-His

Synonyms

IL1RL1;DER4;FIT-1;IL33R;ST2;ST2L;ST2V;T1;sST2

Product Information

Source

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

Purification

≥ 95 % as determined by SDS-PAGE.

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Background

Basic Information

Description

Recombinant Human IL1RL1/ST2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Lys19-Phe328) of human ST2 (Accession #NP_003847.2) fused with a 6×His tag at the C-terminus.

Bio-Activity

1. Immobilized Recombinant Human IL33, No Tag at 10 μg/mL (100 μL/well) can bind Recombinant Human ST2, His Tag with a linear range of 1.41-5.64 μg/mL. 2. Measured by its ability to inhibit IL-33-dependent proliferation in D10.G4.1 mouse helper T cells. The ED₅₀ for this effect is 1.49-5.96 ng/mL, corresponding to a specific activity of 1.68×10⁵~6.71×10⁵ units/mg.

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

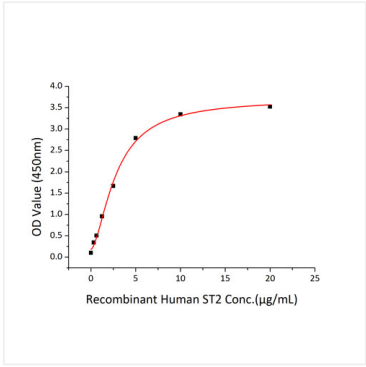
Store at -20°C
Avoid repeated freeze/thaw cycles.

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Reconstitute to a concentration of
0.1-0.5 mg/mL in sterile distilled water.
Avoid vortex or vigorously pipetting
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10% FBS or 5% Trehalose), and aliquot
the reconstituted protein solution to
minimize free-thaw cycles.

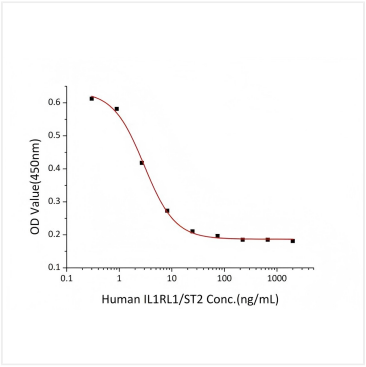
Contact



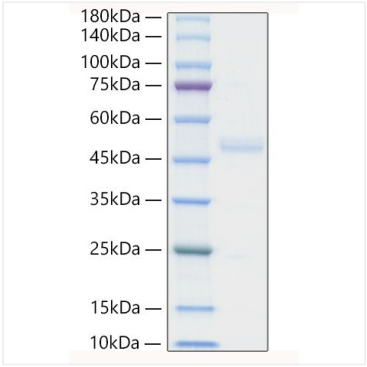
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Recombinant Human IL1RL1/ST2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.