

Human R-Spondin 1 / RSPO1 (aa 1-146, His Tag) recombinant protein



Catalog Number: 503400

General Information

Gene Name Synonym

Roof plate-specific spondin-1

Protein Construction

A DNA sequence encoding the amino acids (Met 1-Ala 146) of human RSPO1 (NP_001033722.1) was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to bind recombinant mouse CD36 in a functional ELISA.

Purity

> 98 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Ser 21

Molecular Mass

The secreted recombinant human RSPO1 (aa 1-146) comprises 137 amino acids and has a predicted molecular mass of 14 kDa. As a result of glycosylation, rhRSPO1 migrates as an approximately 23 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

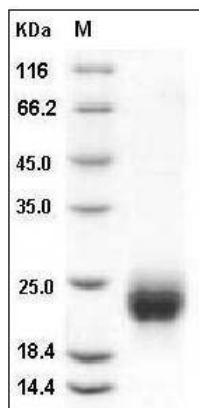
Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human R-Spondin 1 / RSPO1 Protein (aa 1-146, His Tag) SDS-PAGE