

# Mouse R-Spondin 1 / RSPO1 (His Tag) recombinant protein



Catalog Number: 500914

## General Information

### Gene Name Synonym

R-spondin-1

### Protein Construction

A DNA sequence encoding the full length of mouse RSPO1 (NP\_619624.2) (Met 1-Gln 265) was fused with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

CHO Stable Cells

## QC Testing

### Activity

Measured by its ability to induce activation of  $\beta$ -catenin response in a Topflash Luciferase assay using HEK293T human embryonic kidney cells. The  $ED_{50}$  for this effect is typically 50-200 ng/ml in the presence of 50 ng/ml recombinant mouse Wnt3a.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu$ g 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 mouse RSPO1 comprises 256 amino acids with a predicted molecular mass of 28.5 kDa. As a result of glycosylation, the apparent molecular mass of the protein is approximately 44 kDa 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

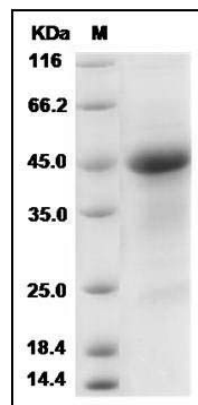
### Storage

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



Mouse R-Spondin 1 / RSPO1 Protein (His Tag)  
SDS-PAGE