

Human RSPO3 (aa 1-146, His Tag) recombinant protein



Catalog Number: 503038

General Information

Gene Name Synonym

Protein with TSP type-1 repeat; Roof plate-specific spondin-3; Thrombospondin type-1 domain-containing protein 2

Protein Construction

A DNA sequence encoding the amino acids (Met 1-Val 146) of human RSPO3 (Q9BXY4-1) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized RSPO3-His (146) at 10 $\mu\text{g}/\text{mL}$ (100 $\mu\text{L}/\text{well}$) can bind human RNF43-Fc (Cat:503014). The EC_{50} of human RNF43-Fc is 0.01-0.03 $\mu\text{g}/\text{mL}$.

Purity

> 96 % 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

Gln 22

Molecular Mass

The recombinant human RSPO3 consists of 136 amino acids and predicts a molecular mass of 15.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh RSPO3 is approximately 22-27 kDa due to different glycosylation.

Formulation

1. Lyophilized from sterile PBS, pH 7.4
2. 5 % trehalose and mannitol are added as protectants before lyophilization.
3. Please contact us for any concerns or special requirements.

Usage Guide

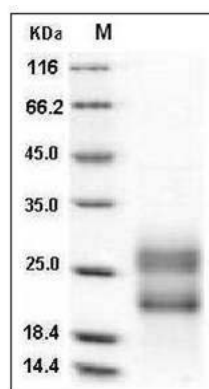
Storage

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 RSPO3 / R-spondin 3 Protein (aa 1-146, His Tag) SDS-PAGE