

Product Information

MemDX™ Antibody Discovery - Human R-Spondin 1 / RSPO1 (21-263) Membrane Protein, Partial, -His tag

Cat. No.: **MP0829F**

This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human R-Spondin 1 / RSPO1 (21-146). It has been tested in SDS-PAGE, ELISA. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species

Human

Target Protein

R-Spondin 1 / RSPO1

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 28.7 kDa. The protein migrates as 38-42 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Ser 21 - Ala 263 (Accession # Q2MKA7-1)

Product Description

Activity

Yes

Application

SDS-PAGE, ELISA

Expression Systems

HEK293

Tag

His Tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Purity

>95% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Storage

Please protect from light and avoid repeated freeze-thaw cycles.
The product must be protected from light;

2-8 ° C for 12 months in liquid state.

Target

Target Protein

R-Spondin 1 / RSPO1

Full Name

R-spondin 1

Introduction

This gene encodes a secreted activator protein with two cysteine-rich, furin-like domains and one thrombospondin type 1 domain. The encoded protein is a ligand for leucine-rich repeat-containing G-protein coupled receptors (LGR proteins) and positively regulates the Wnt signaling pathway. In mice, the protein induces the rapid onset of crypt cell proliferation and increases intestinal epithelial healing, providing a protective effect against chemotherapy-induced adverse effects. Alternative splicing results in multiple transcript variants.

Alternative Names

RSPO; CRISTIN3; R-spondin-1; R-spondin homolog; roof plate-specific spondin-1

Gene ID

[284654](#)

UniProt ID

[Q2MKA7](#)