

Recombinant Human R-Spondin 1/RSPO1 Protein (His Tag)

RPES3773

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPES3773

Purity: > 95 % as determined by reducing SDS-PAGE.

Contents: 100µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

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

Synonyms: CRISTIN3, FLJ40906, R-spondin, R-spondin1, RP11-566C13.1, RP23-325M14.2, RSPO Rspo1, RSPO1, Roof plate-specific spondin-1, Rspodin

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Store Bradford Reagent at Room Temperature for 1 year.

Tag: C-His

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Expression Host: HEK293 Cells

Bio-Activity: 1. Immobilized human RSPO1 at 20 µg/ml (100 µl/well) can bind human LIMPII with a linear ranger of 32-800 ng/ml. 2. Immobilized human RSPO1 at 20 µg/ml (100 µl/well) can bind mouse CD36 with a linear ranger of 6. 4-800 ng/ml. 3. Measured by its ability to induce activation of βcatenin response in a Topflash Luciferase assay using HEK293T human embryonic kidney cells. The ED50 for this effect is typically 0.1-0.9 µg/mL in the presence of 5 ng/mL recombinant mouse Wnt3a.

Calculated MW: 28.2 kDa

Formulation: Lyophilized from sterile PBS, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

lyophilization. Please refer to the specific buffer information in the printed manual.

Observed MW: 42 kDa

Reconstitution: Please refer to the printed manual for detailed information.

Accession: NP_001033722.1

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Source: HEK293 Cells-derived Human R-Spondin 1/RSPO1 protein Met 1-Ala 263, with an C- terminal His

Sequence: Met 1-Ala 263

Notes: Centrifuge before opening to ensure complete recovery of vial contents.

Form: Lyophilized powder