

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

RPES3999

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: RPES3999

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

Contents: 50µg, 10µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

Endotoxin: < 0.01 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: Measured by its ability to induce Topflash reporter activity in HEK293T human embryonic kidney cells. The ED50 for this effect is 1-10ng/ml.

Calculated MW: 27.8 kDa

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

Observed MW: 40 kDa

Reconstitution: Please refer to the printed manual for detailed information. Measured by its ability to induce Topflash reporter activity in HEK293T human embryonic kidney cells. The ED50 for this effect is 1-

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

10ng/ml. Human endometrial epithelial organoids were cultured with EGF (RPES0571) and R-spondin 1 (RPES3999).

Accession: Q2MKA7

Source: HEK293 Cells-derived Human R-Spondin 1, RSPO1 protein Ser21-Ala263, with an C- terminal His

Sequence: Ser21-Ala263

Form: Lyophilized powder

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

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