

Human RSPO1 Recombinant Protein



RPPB4529

Product Information Protein Information

Product SKU:

RPPB4529

Accession:

Q9Z132

Host:

CHO cells.

Protein description:

R-Spondin-1 Human Recombinant produced in CHO cells is a glycosylated monomer chain containing 233 amino acids and having a total molecular mass of 25.6kDa. RSPO1 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

R-spondin-1, Cristin-3, mCristin-3, Roof plate-specific spondin-1, Rspo1, RSPO, R-spondin 1, R-spondin, Rspodin, CRISTIN3.

Formulation:

The protein was lyophilized from a sterile (0.2µm) filtered solution containing PBS.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized RSPO1 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized RSPO1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution RSPO1 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

RISAEGSQAC AKGCELCSEV NGCLKCSPKL FILLERNDIR QVGVCLPSCP PGYFDARNPD MNKCIKCKIE
HCEACFSHNF CTKCKEGLYL HKGRCYPACP EGSSAANGTM ECSSPAQCEM SEWSPWGPSCS KKQQLCGFRR
GSEERTRRVL HAPVGDHAAC SDTKETRRT VRRVPCPEGQ KRRKGGQGRR ENANRNLARK ESKEAGAGSR
RRKGQQQQQ QGTVGPLTSA GPA.

Biological Activity:

The ED₅₀, as calculated by the Luciferase induction in HEK-293 STF cells in the presence of Murine Wnt-3a is 24.7ng/ml corresponding to a specific activity of 4.0 x 10⁴ units/mg.