

Human RSPO1 protein (active)

Cat. No. GTX53852-pro

Applications Functional Assay**Species** Human**Package**

20 µg

PRODUCT

Summary

Recombinant human R-Spondin-1 is a 26.7 kDa protein consisting of 243 amino acid residues. Due to glycosylation, R-Spondin-1 migrates at an apparent molecular weight of approximately 40.0 kDa by SDS PAGE analysis under reducing conditions. Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Applications

Application Note

Assay #1: R-Spondin-1 enhances BMP-2-mediated differentiation of MC3T3-E1 cells. The expected ED₅₀ is 1.0-3.0 µg/ml.

Assay #2: Measured by its ability to induce Topflash reporter activity in HEK293 TCF/LEF Luc reporter cells. The ED₅₀ for this effect is typically 0.6-1.0 µg/ml in the presence of 50 ng/ml recombinant human BMP-2.

Properties

Form Lyophilized powder**Buffer** Batch dependent (please contact us for details)**Storage** Store at -20°C or below. After reconstitution, keep as concentrated solution. Aliquot and avoid freeze-thaw cycles.**Region/Sequence**

SRGIKGRQR RISAEGSQAC AKGCELCSEV NGCLKCSPKL FILLERNDIR QVGVCLPSCP PGYFDARNPD MNKCIKCKIE
HCEACFSHNF CTKCKEGLYL HKGRCPACP EGSSAANGTM ECSSPAQCEM SEWSPWGPCS KKQQLCGFRR GSEERTRRVL
HAPVGDHAAC SDTKETRRCT VRRVPCPEGQ KRRKGGQGR ENANRNLARK ESKEAGAGSR RRGQQQQQQ QGTVGPLTSA
GPA

Expression System CHO cells**Purity** ??95% by SDS-PAGE and HPLC.**Endotoxin** < 1 EU/µg**Conjugation** Unconjugated**Note** For In vitro laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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