

DESCRIPTION

Source Chinese Hamster Ovary cell line, CHO-derived human R-Spondin 1 protein
Arg31 - Ala263
Accession # Q2MKA7

N-terminal Sequence Analysis Ser21 & Arg31

Predicted Molecular Mass 25.6 kDa

SPECIFICATIONS

SDS-PAGE 39 kDa, reducing conditions

Activity Measured by its ability to induce Topflash reporter activity in HEK293T human embryonic kidney cells.
The ED₅₀ for this effect is 1.0-4.0 ng/mL in the presence of 5 ng/mL Recombinant Mouse Wnt-3a (Catalog # 1324-WN).

Endotoxin Level <0.10 EU per 1 µg of the protein by the LAL method.

Purity >90%, by SDS-PAGE under reducing conditions and visualized by silver stain.

PREPARATION AND STORAGE

Reconstitution For a stock solution, reconstitute at 100 µg/mL in sterile PBS. For immediate use, simply roll ProDot® directly into cell culture medium.

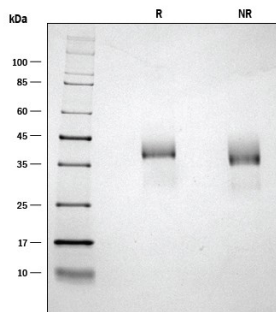
Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage **Use a manual defrost freezer and avoid repeated freeze-thaw cycles.**

- 6 months from date of receipt at room temperature as supplied.
- 12 months from date of receipt at 2-8 °C as supplied.
- 1 month at 2-8 °C under sterile conditions after reconstitution.
- 3 months at -20 to -80 °C under sterile conditions after reconstitution.

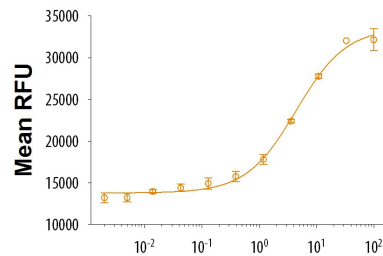
DATA

SDS-PAGE



1 µg/lane of ProDots® Recombinant Human R-Spondin 1 was resolved with SDS-PAGE under reducing (R) and non-reducing (NR) conditions and visualized with silver staining, showing a single band at 39 kDa.

Bioactivity



ProDots® Recombinant Human R-Spondin 1, in the presence of Recombinant Mouse Wnt-3a (Catalog # 1324-WN; 5 ng/mL), induces activation of beta-catenin in HEK293T cells measured using the Topflash assay.

Recombinant Human R-Spondin 1 (ng/mL)

PRODUCT SPECIFIC NOTICES

727085.0