ProSci LLC
12170 Flint Place
Poway, CA 92064, USA
ProSciAntibodies.com

P: +1 (888) 513-9525
Local: +1 (858) 513-2638
Fax: +1 (858) 513-2692

CustomerCare@ProSciAntibodies.com
ITSupport@ProSciAntibodies.com

Human R-spondin-1/RSPO1 Recombinant Protein (84-857)

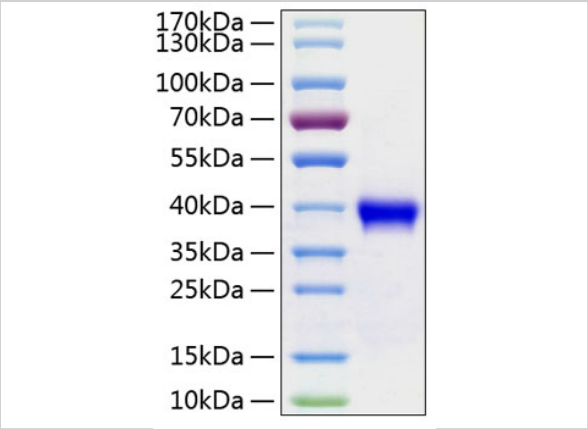
CATALOG NUMBER: 84-857

Specifications

Species	Human
Source Species	HEK293 cells
Fusion Tag	C-His
Tested Applications	Bioactivity Test, ELISA, Immunogen, SDS-PAGE, WB
Predicted Molecular Weight	26.44 kDa
Biological Activity	1.The intestinal crypts of mice were cultured in organoid culture medium containing factor combinations (100 ng/mL Noggin + 500 ng/mL R-spondin-1) for 144 hours, intestinal organoids were formed. (Customer Feedback Data) 2.Recombinant Human R-Spondin 1 protein stimulated Wnt signal pathway with Wnt-3a protein in HEK293T cells. After 6 hours, the stimulation when adding 300 ng/mL of R-Spondin-1 reached highest effect. Compared with only Wnt-3a stimulation, the Wnt signaling pathway was enhanced 3.1-fold after adding 300 ng/mL R-Spondin 1.

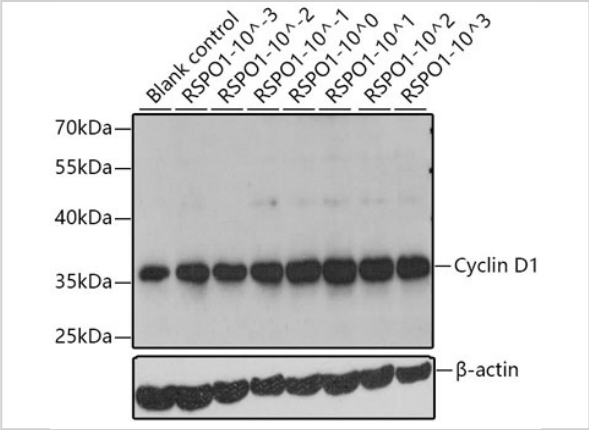
Properties

Purity	≥ 95 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.
Physical State	Lyophilized
Buffer	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.
Storage Conditions	Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.



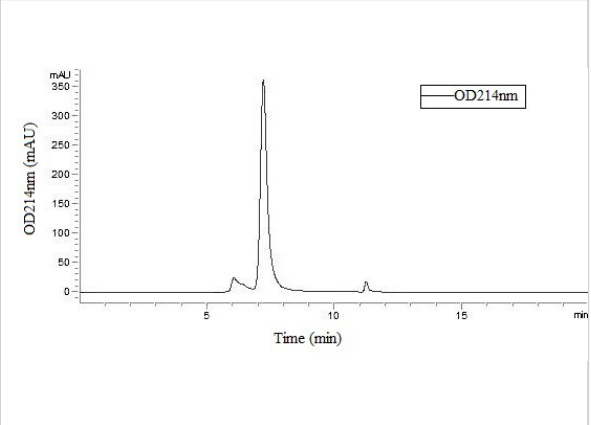
84-857_1

Recombinant Human R-spondin-1/RSPO1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



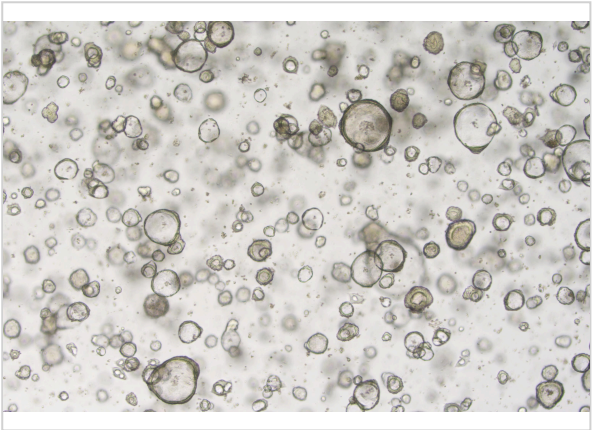
84-857_2

The purity of Recombinant Human R-spondin-1/RSPO1 Protein is greater than 90% as determined by SEC-HPLC.



84-857_3

Recombinant Human R-spondin-1/RSPO1 Protein induce Topflash reporter activity in HEK293T human embryonic kidney cells. The ED50 for this effect is 6.61~26.44 ng/mL in the presence of 5 ng/mL Wnt Su...



84-857_4

Human stomach organoids were cultured with EGF(Cat. 86-064), FGF10(Cat. 85-242), NOG(Cat. 85-332), RSPO1(Cat. 84-857), WNT-3a.

Disclaimer

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