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Datasheet for ABIN7275537 RSP01 Protein (His tag)

3 Images



Overview

Quantity:	100 µg
Target:	RSP01
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RSP01 protein is labelled with His tag.

Product Details

Sequence:	Arg31-Ala263
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human R spondin 1, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-R spondin 1 Antibody, hFc Tag with the EC50 of 7.1ng/ml determined by ELISA. See testing image for detail.

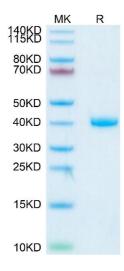
Target Details

Target:	RSP01
Alternative Name:	R spondin 1 (RSP01 Products)
Background:	R-spondin-1, RSP01, CRISTIN3, FLJ40906, RP11-566C13.1, RSP0, The R-spondins are
	members of a superfamily of thrombospondin type 1 repeat (TSR-1)-containing proteins. The

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Target Details	
	prototype member (discovered in 1971) was isolated from platelets that had been stimulated with thrombin, and was therefore designated 'thrombin-sensitive protein.
Molecular Weight:	27.3 kDa. Due to glycosylation, the protein migrates to 38-42 kDa based on Tris-Bis PAGE result.
UniProt:	Q2MKA7
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

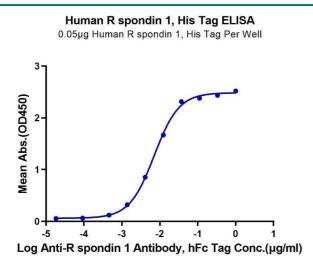
Images



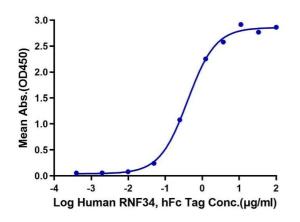
SDS-PAGE

Image 1. Human R spondin 1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

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Human R spondin 1, His Tag ELISA 0.5µg Human R spondin 1, His Tag Per Well



ELISA

Image 2. Immobilized Human R spondin 1, His Tag at 0.5μ g/mL (100 μ L/well) on the plate. Dose response curve for Anti-R spondin 1 Antibody, hFc Tag with the EC50 of 7.1 ng/mL determined by ELISA.

ELISA

Image 3. Immobilized Human R spondin 1, His Tag at 5μ g/mL (100 μ L/well) on the plate. Dose response curve for Human RNF34, hFc Tag with the EC50 of 0.4 μ g/mL determined by ELISA.

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