



[Go to Product page](#)

Datasheet for ABIN7275677

Syndecan 1 Protein (SDC1) (AA 23-254) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	Syndecan 1 (SDC1)
Protein Characteristics:	AA 23-254
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Syndecan 1 protein is labelled with His tag.

Product Details

Purpose:	Human Syndecan-1 Protein
Sequence:	Gln23-Gly254
Characteristics:	Recombinant Human Syndecan-1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln23-Gly254.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human Syndecan-1, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-Syndecan-1 Antibody, hFc Tag with the EC50 of 28.2ng/ml determined by ELISA. See testing image for detail.

Target Details

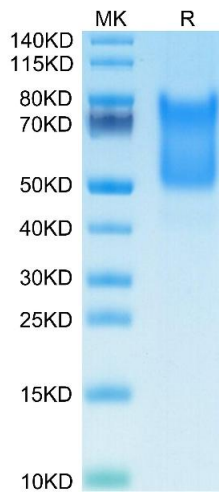
Target:	Syndecan 1 (SDC1)
Alternative Name:	Syndecan-1 (SDC1 Products)
Background:	Liver diseases such as liver cirrhosis, primary and metastatic liver cancers are still a major medical challenge. Syndecan-1 is one of the most important proteoglycans in the liver. Syndecan-1 is normally expressed on the surfaces of hepatocytes and cholangiocytes. Due to liver diseases the amount of syndecan-1 increases in the liver.
Molecular Weight:	25 kDa. Due to glycosylation, the protein migrates to 50-80 kDa based on Tris-Bis PAGE result.
Pathways:	Glycosaminoglycan Metabolic Process , Regulation of Muscle Cell Differentiation , Skeletal Muscle Fiber Development , Lipid Metabolism

Application Details

Restrictions:	For Research Use only
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Handling

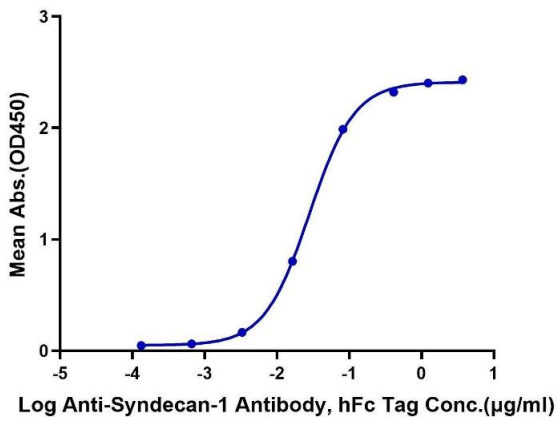
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

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

Human Syndecan-1, His Tag ELISA
0.05µg Human Syndecan-1, His Tag Per Well



ELISA

Image 2. Immobilized Human Syndecan-1, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-Syndecan-1 Antibody, hFc Tag with the EC50 of 28.2 ng/mL determined by ELISA.