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Syndecan 1 Protein (SDC1) (AA 23-255) (Fc Tag)

2 Images



Overview

Quantity:	100 μg
Target:	Syndecan 1 (SDC1)
Protein Characteristics:	AA 23-255
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Syndecan 1 protein is labelled with Fc Tag.

Product Details

Purpose:	Mouse Syndecan-1 Protein
Sequence:	Gln23-Gly255
Characteristics:	Recombinant Mouse Syndecan-1 Protein is expressed from HEK293 with hFc tag at the C-Terminus.It contains Gln23-Gly255.
Purity:	> 90 % as determined by Tris-Bis PAGE,> 90 % as determined by HPLC
Sterility:	0.22 μm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	Syndecan 1 (SDC1)
Alternative Name:	Syndecan-1 (SDC1 Products)

Target Details

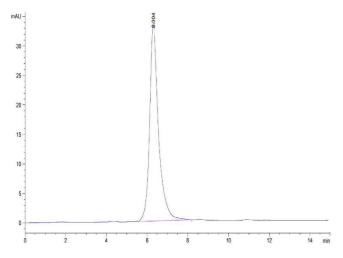
Background:	Liver diseases such as liver cirrhosis, primary and metastatic liver cancers are still a major medical challenge. Syndecan-1 is one of the most important proteoglycans in the liver. Syndecan-1 is normally expressed on the surfaces of hepatocytes and cholangiocytes. Due to liver diseases the amount of syndecan-1 increases in the liver.
Molecular Weight:	51 kDa. Due to glycosylation, the protein migrates to 85-110 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

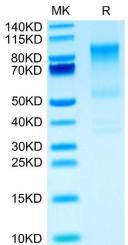
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/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



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Mouse Syndecan-1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Mouse Syndecan-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.