

Mouse Syndecan-1 Protein

Cat. No. SYN-MM201

Description

Source	Recombinant Mouse Syndecan-1 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gln23-Gly255.
Accession	P18828-1
Molecular Weight	The protein has a predicted MW of 51 kDa. Due to glycosylation, the protein migrates to 85-110 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 90% as determined by Bis-Tris PAGE > 90% as determined by HPLC

Formulation and Storage

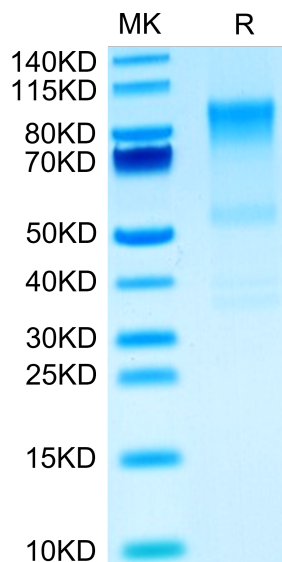
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-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.

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.

Assay Data

Bis-Tris PAGE



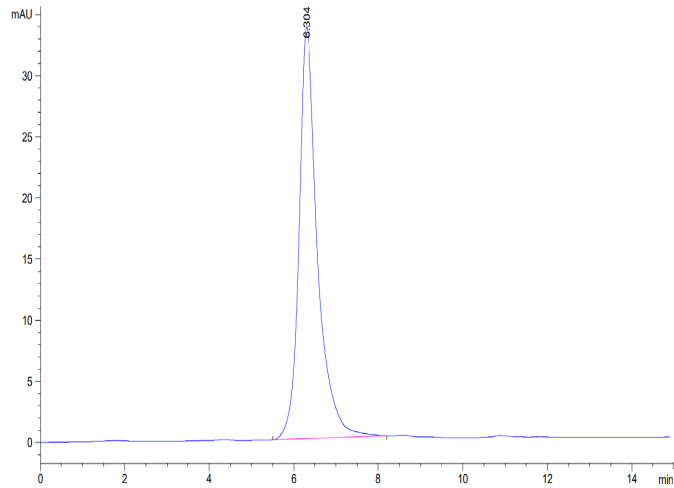
Mouse Syndecan-1 on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.

SEC-HPLC

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Assay Data



The purity of Mouse Syndecan-1 is greater than 90% as determined by SEC-HPLC.