

Human Syndecan-1 Protein



Cat. No. SYN-HM201

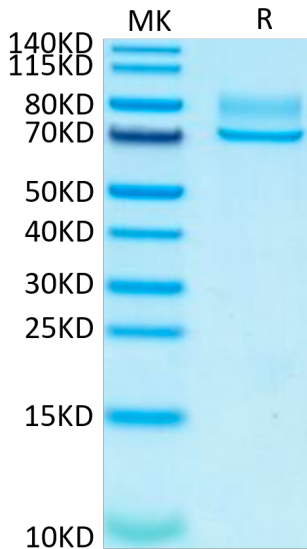
Description	
Source	Recombinant Human Syndecan-1 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gln23-Gly254.
Accession	AAH08765
Molecular Weight	The protein has a predicted MW of 50.6 kDa. Due to glycosylation, the protein migrates to 70-100 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months 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

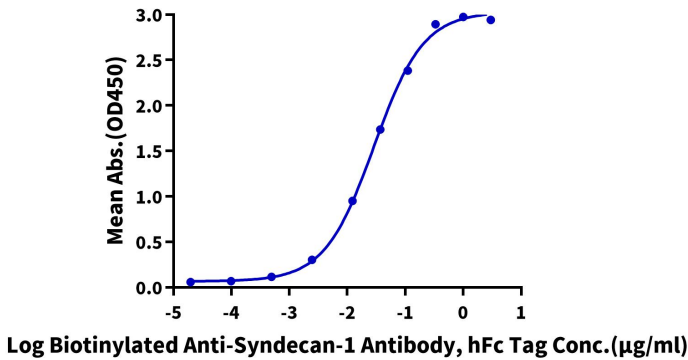


Human Syndecan-1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Assay Data

Human Syndecan-1, hFc Tag ELISA
0.1µg Human Syndecan-1, hFc Tag Per Well



Immobilized Human Syndecan-1, hFc Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-Syndecan-1 Antibody, hFc Tag with the EC50 of 28.8ng/ml determined by ELISA.