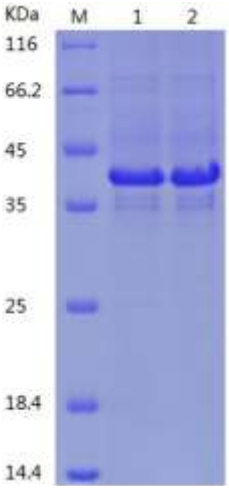
Recombinant Human Syndecan-1/SDC1 (C-His)

Catalog No: BP176

Description	Recombinant Human Syndecan-1 is produced by our Mammalian expression system and the target gene encoding Gln23-Glu251 is expressed with a 6His tag at the C-terminus.
Expression System	Human
Alternative name	Syndecan-1; SYND1; CD138; SDC1; SDC
Accession No.	P18827
Predicted Molecular Weight	24.4kDa
Apparent Molecular Weight	35-66.2kDa
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by TAL test.
Formulation	PBS, pH 7.4
Reconstitution	It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Background	Syndecan-1, also known as SDC1 and CD138, is a transmembrane heparan sulfate proteoglycan that belongs to the syndecan proteoglycan family. It is expressed mainly in epithelial cells, but its expression is developmentally regulated during embryonic development. Syndecan-1 has been found to regulate cell adhesion to several ECM molecules, and to play as a co-receptor for fibroblast growth factors, potent angiogenic growth factors involved in differentiation. The expression level of Syndecan-1 is reduced during malignant transformation of various epithelia, and this loss associates with the histological differentiation grade of squamous cell carcinomas, lacking from poorly differentiated tumors. Studies showed in squamous cell carcinomas of the head and neck, positive syndecan-1 expression correlates with a better prognosis.

SDS-PAGE



M: Marker

1: Sample in reducing conditions

2: Sample in non-reducing conditions