

Datasheet for ABIN7321114

Syndecan 1 Protein (SDC1) (His tag)**1** Image[Go to Product page](#)

Overview

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

Product Details

Purpose:	Recombinant Rat Syndecan-1/SDC1 Protein (His Tag)
Sequence:	Met1-Lys253
Characteristics:	A DNA sequence encoding the rat SDC1 (P26260) (Met1-Lys253) was expressed with a polyhistidine tag at the C-terminus.
Purity:	(76+20) % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method

Target Details

Target:	Syndecan 1 (SDC1)
Alternative Name:	Syndecan-1/SDC1 (SDC1 Products)
Background:	Background: Syndecan-1 also known as SDC1 and CD138, is the most extensively studied member of the syndecan family. It is found mainly in epithelial cells, but its expression is developmentally regulated during embryonic development. Syndecan-1/SDC1/CD138 has been

Target Details

shown to mediate cell adhesion to several ECM molecules, and to act as a coreceptor for fibroblast growth factors, potent angiogenic growth factors involved also in differentiation. Syndecan-1/SDC1/CD138 expression is reduced during malignant transformation of various epithelia, and this loss correlates with the histological differentiation grade of squamous cell carcinomas, lacking from poorly differentiated tumours. In squamous cell carcinomas of the head and neck, positive syndecan-1 expression correlates with a more favourable prognosis. Experimental studies on the role of Syndecan-1 in malignant transformation have shown that Syndecan-1/SDC1/CD138 expression is associated with the maintenance of epithelial morphology, anchorage-dependent growth and inhibition of invasiveness in vitro.

Synonym: SDC1,Synd1,CD138

Molecular Weight: 25.6 kDa

UniProt: [P26260](#)

Pathways: [Glycosaminoglycan Metabolic Process](#), [Regulation of Muscle Cell Differentiation](#), [Skeletal Muscle Fiber Development](#), [Lipid Metabolism](#)

Application Details

Restrictions: For Research Use only

Handling

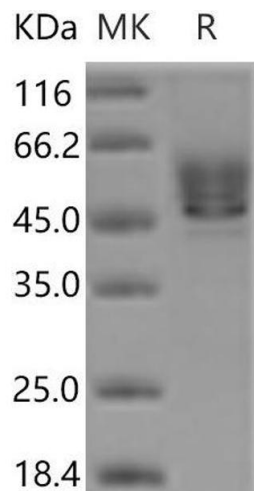
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.