

Datasheet for ABIN7320707
SDC4 Protein (AA 24-145) (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	SDC4
Protein Characteristics:	AA 24-145
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SDC4 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Syndecan-4/SDC4 Protein (aa 24-145, His Tag)
Sequence:	Glu24-Glu145
Characteristics:	Recombinant Mouse Syndecan-4 is produced by our Mammalian expression system and the target gene encoding Glu24-Glu145 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	SDC4
Alternative Name:	Syndecan-4/SDC4 (SDC4 Products)
Background:	Background: Mouse SDC4 is a ubiquitous transmembrane proteoglycan which belongs to the

Target Details

syndecan proteoglycan family. SDC4 is a cell surface proteoglycan that bears heparan sulfate. The four vertebrate syndecans, Syndecan-1 through -4, have similar short cytoplasmic domains and extracellular portions that diverge, except for HS attachment sites. Structurally diverse side chains add considerably to the size of the core proteins and serve as binding sites for growth factors, cytokines, and extracellular matrix proteins. Syndecans are present as homodimers or multimers, and are often expressed in developmental and cell type-specific patterns. It is expressed highly in liver, kidney and lung. SDC4 localizes to the focal adhesions of adherent cells and binds to a range of extracellular ligands, including growth factors and extracellular-matrix proteins. Through its extracellular domain, syndecan-4 cooperates with adhesion molecules and binds matrix components relevant for cell migration. As a heparan sulfate proteoglycan, SDC4 works as a coreceptor for various growth factors. Syn4 deficiency limits neointimal formation after vascular injury by regulating vascular smooth muscle cells (VSMCs) proliferation and vascular progenitor cells (VPCs) mobilization. SDC4 have an array of functions including regulating cell growth, differentiation, and adhesion.

Synonym: AA959608,AW108331,ryudocan,Synd4,syndecan-4,SDC4,SYND4,Ryudocan core protein

Molecular Weight:	14.4 kDa
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UniProt:	O35988
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Pathways:	Glycosaminoglycan Metabolic Process
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Application Details

Restrictions:	For Research Use only
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Handling

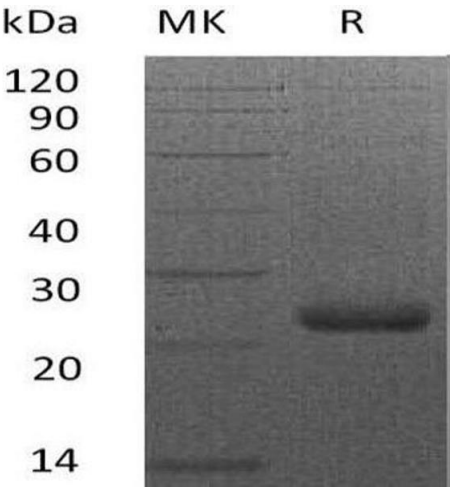
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
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Storage:	4 °C,-20 °C,-80 °C
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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.
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Western Blotting

Image 1.