

Datasheet for ABIN7505741
SDC4 Protein (AA 1-146) (His tag)



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Overview

Quantity:	100 µg
Target:	SDC4
Protein Characteristics:	AA 1-146
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SDC4 protein is labelled with His tag.

Product Details

Sequence:	Met 1-Val 146
Characteristics:	A DNA sequence encoding the Mouse Sdc4 protein (O35988) (Met 1-Val 146) was expressed with a C-His.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	SDC4
Alternative Name:	Syndecan-4 (SDC4 Products)
Background:	Abbreviation: Syndecan-4,Sdc4 Target Synonym: AA959608,AW108331,ryudocan,Synd4,syndecan-4,SDC4,SYND4,Ryudocan core protein Background: SDC4 (Syndecan-4), also known as Syn4, is a transmembrane heparan sulfate

Target Details

proteoglycan that co-operates with integrins during cell-matrix interactions for the assembly of focal adhesions and actin stress fibers and in the phosphorylation of focal adhesion kinase (FAK) on Tyr397. Syndecan-4 plays roles in the formation of focal adhesions and stress fibers. The cytoplasmic domain of syndecan-4 interacts with a number of signalling and structural proteins, and both extracellular and cytoplasmic domains are necessary for regulated activation of associated transmembrane receptors. Syndecan-4/SDC4 is a heparan sulfate proteoglycan and works as a coreceptor for various growth factors. SDC4 deficiency limits neointimal formation after vascular injury by regulating vascular smooth muscle cells (VSMCs) proliferation and vascular progenitor cells (VPCs) mobilization. Therefore, SDC4 may be a novel therapeutic target for preventing arterial restenosis after angioplasty.

Molecular Weight: Calculated MW: 15.95 kDa
 Observed MW: 18 kDa

UniProt: [O35988](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
 Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

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.

Expiry Date: 12 months