

## Active Recombinant Human SDC4, His-tagged

Cat. No. SDC4-19H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SDC4 (Glu19-Glu145) fused with 6His tag at Cterminal, was expressed in Mouse NSO Cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	19-145 a.a.
<b>Description</b>	The protein encoded by this gene is a transmembrane (type I) heparan sulfate proteoglycan that functions as a receptor in intracellular signaling. The encoded protein is found as a homodimer and is a member of the syndecan proteoglycan family. This gene is found on chromosome 20, while a pseudogene has been found on chromosome 22.
<b>Predicted N Terminal</b>	Glu19
<b>Form</b>	Lyophilized from a 0.2 µ filtered solution in PBS.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized rhSyndecan-4 at 500 ng/mL (100 µ/well) can bind rhFGF-basic with a linear range of 0.1 - 10 ng/mL.
<b>Molecular Mass</b>	14.7 kDa
<b>Endotoxin</b>	< 1.0 EU per 1 µg of the protein by the LAL method.

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<b>Purity</b>	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 °C to -70 °C as supplied. 1 month, 2 °C to 8 °C under sterile conditions after reconstitution. 3 months, -20 °C to -70 °C under sterile conditions after reconstitution.
<b>Reconstitution</b>	Reconstitute at 100 µg/mL in sterile PBS.

## GENE INFORMATION

<b>Gene Name</b>	SDC4 syndecan 4 [ Homo sapiens (human) ]
<b>Official Symbol</b>	SDC4
<b>Synonyms</b>	SDC4; SYND4; syndecan 4; syndecan-4; amphiglycan; ryudocan amphiglycan; ryudocan core protein; syndecan proteoglycan 4; syndecan 4 (amphiglycan, ryudocan)
<b>Gene ID</b>	6385
<b>mRNA Refseq</b>	NM_002999
<b>Protein Refseq</b>	NP_002990
<b>MIM</b>	600017
<b>UniProt ID</b>	P31431
<b>Chromosome Location</b>	20q12
<b>Pathway</b>	A tetrasaccharide linker sequence is required for GAG synthesis; Cell adhesion

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molecules (CAMs); ECM-receptor interaction

**Function**

cytoskeletal protein binding; fibronectin binding; protein binding

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