

Active Recombinant Human SDC4, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human SDC4 (Glu19-Glu145) fused with 6His tag at Cterminal, was expressed in Mouse NSO Cells.
Species	Human
Source	Mammalian Cells
ProteinLength	19-145 a.a.
Description	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.
Predicted N Terminal	Glu19
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	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.
Molecular Mass	14.7 kDa
Endotoxin	< 1.0 EU per 1 µg of the protein by the LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	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.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS.
GENE INFORMATION	
Gene Name	SDC4 syndecan 4 [Homo sapiens (human)]
Official Symbol	SDC4
Synonyms	SDC4; SYND4; syndecan 4; syndecan-4; amphiglycan; ryudocan amphiglycan; ryudocan core protein; syndecan proteoglycan 4; syndecan 4 (amphiglycan, ryudocan)
Gene ID	6385
mRNA Refseq	NM_002999
Protein Refseq	NP_002990
MIM	600017
UniProt ID	P31431
Chromosome Location	20q12
Pathway	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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