Active Recombinant Human Syndecan 3, His-tagged

Cat. No. SDC3-504H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SDC3protein was expressed in Murine myeloma cell line with a C-terminal 6-His tag.Gln48-Lys383.
Species	Human
Source	Mammalian Cells
ProteinLength	48-383 a.a.
Description	SDC3, also calledN-syndecan, is one of four vertebrate syndecans that are principal carriersof heparan sulfate and chondroitin sulfate glycosaminoglycans. These type 1transmembrane proteins show conserved cytoplasmic domains and divergentextracellular domains. Human SDC3 is synthesized as a 442 amino acid (aa)core protein with a 44 aa signal sequence, a 343 aa extracellular domain, a21 aa transmembrane region and a 34 aa cytoplasmic tail with a binding sitefor PDZ domains.
Form	Lyophilized from a0.2 μm filtered solution in PBS.
N-terminalSequence	Gln48 predicted
Molecular Weight	35.5 kDa
Activity	Measuredby the ability of the immobilized protein to inhibit the adhesion of SAOS2human osteosarcoma cells to human Fibronectin. When 5 x 104 cells/well are

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	added to human SDC3 and human Fibronectin (0.5 μg/mL) coated plates,cell adhesion is blocked in a dose dependent manner after 1 hour at 37°C. TheED50 for this effect is typically 2.5-10 μg/mL.
Endotoxin Level	<1.0 EUper 1 μg of the protein by the LAL method.
SDS-PAGE	100-150kDa, reducing conditions.
Purity	>85%,by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	200 μg/ mLin PBS
Storage	Use amanual defrost freezer and avoid repeated freeze-thaw cycles. 12 months fromdate of receipt, -20 to -70°C as supplied. 1 month, 2 to 8 °C under sterileconditions after reconstitution. 3 months, -20 to -70°C under sterileconditions after reconstitution.

GENE INFORMATION

Gene Name	SDC3 syndecan 3 [Homosapiens]
Official Symbol	SDC3
Synonyms	SDC3; syndecan 3; SDCN;SYND3; syndecan-3; N-syndecan; syndecan neural type; syndecan proteoglycan 3;KIAA0468; OTTHUMP00000040577; syndecan 3 (N-syndecan)
Gene ID	9672
mRNA Refseq	NM_014654

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Protein Refseq	NP_055469
MIM	186357
UniProt ID	O75056
Chromosome Location	1pter-p22.3
Pathway	Cell adhesion molecules (CAMs);ECM-receptor interaction; Malaria; Proteogylcan syndecan-mediated signalingevents; Syndecan-3-mediated signaling events
Function	cytoskeletal protein binding

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