SDC2 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	SDC2, Blocking Peptide
Full Product Name	SDC2 Peptide - C-terminal region
Product Gene Name	SDC2 blocking peptide
Product Synonym Gene Name	HSPG; CD362; HSPG1; SYND2
Sequence	Synthetic peptide located within the following region: RTEVLAAVIA GGVIGFLFAI FLILLLVYRM RKKDEGSYDL GERKPSSAAY
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	SDC2 peptide (MBS3246118) is used for blocking the activity of SDC2 antibody (MBS3221355)
Molecular Weight	18 kDa
Product Categories/Family for SDC2 blocking peptide	Peptide
Related Product Information for SDC2 blocking peptide	This is a synthetic peptide designed for use in combination with anti-SDC2 Antibody, made Target Description: The protein encoded by this gene is a transmembrane (type I) heparan sulfate proteoglycan and is a member of the syndecan proteoglycan family. The syndecans mediate cell binding, cell signaling, and cytoskeletal organization and syndecan receptors are required for internalization of the HIV-1 tat protein. The syndecan-2 protein functions as an integral membrane protein and participates in cell proliferation, cell migration and cell-matrix interactions via its receptor for extracellular matrix proteins. Altered syndecan-2 expression has been detected in several different tumor types.
Other Notes	Small volumes of SDC2 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SDC2 purchase	MBS3246118 is a blocking peptide targeting SDC2. Also known as SDC2 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SDC2. It may not necessarily be applicable to this product.

NCBI GI #	40548378
NCBI GeneID	6383
NCBI Accession #	NP_002989.2
UniProt Primary Accession #	E7ESK6
UniProt Related Accession #	P34741
GenBank Nucleotide #	NM_002998.4
NCBI Official Full Name	syndecan-2

NCBI Official Synonym Full Names	syndecan 2
NCBI Official Symbol	SDC2
NCBI Official Synonym Symbols	HSPG; CD362; HSPG1; SYND2
Protein Family	Syndecan
NCBI Protein Information	syndecan-2
NCBI Summary for SDC2	The protein encoded by this gene is a transmembrane (type I) heparan sulfate proteoglycan and is a member of the syndecan proteoglycan family. The syndecans mediate cell binding, cell signaling, and cytoskeletal organization and syndecan receptors are required for internalization of the HIV-1 tat protein. The syndecan-2 protein functions as an integral membrane protein and participates in cell proliferation, cell migration and cell-matrix interactions via its receptor for extracellular matrix proteins. Altered syndecan-2 expression has been detected in several different tumor types. [provided by RefSeq, Jul 2008]
Research Articles on SDC2	**1.** Methylation of SFRP1, SFRP2, SDC2, and PRIMA1 promoter sequences was observed in 85.1%, 72.3%, 89.4%, and 80.9% of plasma samples from patients with Colorectal cancer and 89.2%, 83.8%, 81.1% and 70.3% from adenoma patients, respectively.
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