



# Human SDC2 peptide (DAG-P1898)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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]
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the syndecan proteoglycan family.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">SDC2 syndecan 2 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	SDC2
<b>Synonyms</b>	SDC2; syndecan 2; HSPG; CD362; HSPG1; SYND2; syndecan-2; fibroglycan; syndecan proteoglycan 2; heparan sulfate proteoglycan core protein; cell surface-associated heparan sulfate proteoglycan 1; heparan sulfate proteoglycan 1, cell surface-associated;

<b>Entrez Gene ID</b>	<a href="#">6383</a>
<b>mRNA Refseq</b>	<a href="#">NM_002998.3</a>
<b>Protein Refseq</b>	<a href="#">NP_002989.2</a>
<b>UniProt ID</b>	P34741
<b>Chromosome Location</b>	8q22-q23
<b>Pathway</b>	A tetrasaccharide linker sequence is required for GAG synthesis, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Chondroitin sulfate/dermatan sulfate metabolism, organism-specific biosystem; Disease, organism-specific biosystem; Diseases associated with visual transduction, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; FGF signaling pathway, organism-speci
<b>Function</b>	PDZ domain binding; cytoskeletal protein binding; protein binding;