

## Product Information

### MemDX™ Membrane Protein Human SDC1 (Syndecan 1) Expressed in NS0 for Antibody

#### Discovery, Partial (18-251aa)

Cat. No.: **MPX0312K**

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

This product is a 24.9 kDa Human SDC1 membrane protein expressed in NS0. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

#### Product Specifications

##### Host Species

Human

##### Target Protein

SDC1

##### Protein Length

Partial (18-251aa)

##### Protein Class

Receptor

##### Molecular Weight

24.9 kDa

##### TMD

1

##### Sequence

QPALPQIVATNLPPEDQDGSGDDSDNFSGSGAG  
ALQDITLSQQTPSTWKDTQLLTAIPTSPEPTGLEATAASTSTLPAGEGPK  
EGEAVVLPEVEPGLTAREQEATPRPRETTQLPTTHLASTTTTATTAQEPAT  
SHPHRDMQPGHHETSTPAGPSQADLHTPHTEDGGPSATERAAEDGASSQL  
PAAEGSGEQDFTFETSGENTAVVAVEPDRRNQSPVDQGATGASQGLLDRK  
E

#### Product Description

##### Expression Systems

NS0

##### Tag

6xHis tag at the C-terminus

**Protein Format**

Soluble

**Form**

LYOPH

**Reconstitution**

Reconstitute at 500 µg/mL in PBS.

**Endotoxin**

<0.10 EU per 1 µg of the protein by the LAL method.

**Purity**

>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

**Buffer**

Lyophilized from a 0.2 µm filtered solution in PBS.

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

SDC1

**Full Name**

Syndecan 1

**Introduction**

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-1 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-1 expression has been detected in several different tumor types. While several transcript variants may exist for this gene, the full-length nature of only two have been described to date. These two represent the major variants of this gene and encode the same protein.

**Alternative Names**

SDC1; SDC; CD138; SYND1; syndecan; syndecan-1; CD138 antigen; heparan sulfate proteoglycan fibroblast growth factor receptor; syndecan proteoglycan 1; Syndecan 1

**Gene ID**

[6382](#)

**UniProt ID**

[P18827](#)