

# Product Information

## **MemDX™ Membrane Protein Human SDC1 (Syndecan 1) Expressed in *E.coli* with 6xHis and SUMO tag at the N-terminus for Antibody Discovery, Partial (23-254aa)**

Cat. No.: **MPX4557K**

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

This product is a 39.9kDa Human SDC1 membrane protein expressed in *E.coli*. 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 (23-254aa)

#### Protein Class

Receptor

#### Molecular Weight

39.9kDa

#### TMD

1

#### Sequence

QIVATNLPPEDQDGSGDDSDNFSGSGAGALQDITLSQQTPSTWKDTQLLTAIPTSPEPTGLEATAASTSTLPAGEGPKEGEAVVLP

### Product Description

#### Expression Systems

*E.coli*

#### Tag

6xHis and SUMO tag at the N-terminus

#### Protein Format

Soluble

#### Form

Liquid or Lyophilized powder

**Purity**

>90% as determined by SDS-PAGE

**Buffer**

Tris-based buffer, 50% glycerol

**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](#)