

Product Information

MemDX™ Membrane Protein Human SDC1 (Syndecan 1) Expressed *in vitro* E.coli **expression system, Full Length of Mature Protein**

Cat. No.: **MPX3801K**

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

This product is a Human SDC1 membrane protein expressed *in vitro* E.coli expression system. 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

Full Length of Mature Protein

Protein Class

Receptor

TMD

1

Sequence

QIVATNLPPEDQDGSGDDSDNFSGSGAGALQDITLSQQTPSTWKDTQLLTAIPTSPEPTGLEATAASTSTLPAGEGPKEGEAVVLPE

Product Description

Expression Systems

in vitro E.coli expression system

Tag

10xHis and SUMO tag

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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 natures 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; CD138 antigen; heparan sulfate proteoglycan fibroblast growth factor receptor; syndecan proteoglycan 1; Syndecan 1

Gene ID

[6382](#)

UniProt ID

[P18827](#)