

## Recombinant Human Syndecan-1/SDC1 Protein (Fc Tag)

**Catalog Number:** PKSH033514

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

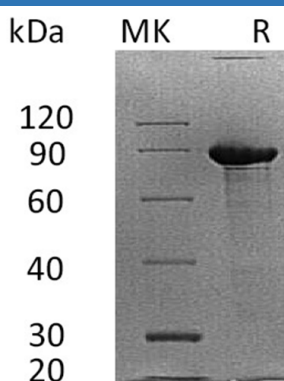
### Description

<b>Species</b>	Human
<b>Source</b>	HEK293 Cells-derived Human Syndecan-1/SDC1 protein Gln18-Glu251, with an C-terminal Fc
<b>Calculated MW</b>	51.0 kDa
<b>Observed MW</b>	80-90 kDa
<b>Accession</b>	AAH08765.1
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

Syndecan-1 is a single-pass type I membrane protein that belongs to 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. Human SDC1 is synthesized as a 310 amino acid precursor that contains a 22 amino acid signal sequence; and a 288 amino acid mature chain. 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.

### For Research Use Only