



Recombinant Protein Technical Manual

Recombinant Human Syndecan/SDC1 Protein (Fc Tag)

RPES4664

Product Data:

Product SKU: RPES4664

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P18827

Protein Information:

Molecular Mass: 51 kDa

AP Molecular Mass: 80-90 kDa

Tag: C-Fc

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4 .

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Syndecan; SYND1; CD138; SDC1; SDC

Immunogen Information:

Sequence: Gln18-Glu251(Leu136Gln)

Background:

Syndecan 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 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 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 expression has been detected in several different tumor types.