

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

Catalog Number:PKSH033514

1 Publications



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

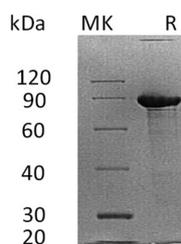
Description

| | |
|------------------------------------|---------------------------------|
| Synonyms | Syndecan-1;SYND1;CD138;SDC1;SDC |
| Species | Human |
| Expression Host | HEK293 Cells |
| Sequence | Gln18-Glu251 |
| Accession | AAH08765.1 |
| Calculated Molecular Weight | 51.0 kDa |
| Observed molecular weight | 80-90 kDa |
| Tag | C-Fc |

Properties

| | |
|-----------------------|---|
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method. |
| Storage | 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. |
| 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. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. |
| Reconstitution | 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.

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