

For Research Use Only

Recombinant Human Syndecan-1/CD138 protein (Myc Tag, His Tag)



Catalog Number: Eg0132

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
Myc Tag, His Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Human Syndecan-1 protein Gln23-Gly254 (Accession# AAH08765.1) with a Myc tag and a His tag at the C-terminus.

GeneID:
6382

Accession:
AAH08765.1

Predicted Molecular Mass:
28.9 kDa

SDS-PAGE:
43-48 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

CD138, also known as Syndecan-1 (SDC1), is a member of the transmembrane heparan sulfate proteoglycan family. CD138 acts as an extracellular matrix receptor and participates in many cellular functions, including cell-cell adhesion and cell-matrix adhesion. CD138 is expressed on plasma cells and various epithelial cell types. Altered CD138 expression has been described in many different tumor types. CD138 can be shed from the cell surface and exist as a soluble form, which has paracrine and autocrine functions and functions as competitor of transmembrane CD138 for growth factors and other extracellular ligands.

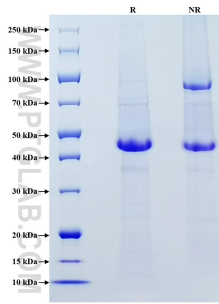
References

1. M V Dhodapkar, et al. (1998) Blood.91(8):2679-2688.
2. Fionnuala P O'Connell, et al. (2004) Am J Clin Pathol. 121(2):254-263.
3. Robin E Gandley, et al. (2016) PLoS One. 11(6):e0157608.
4. Simon Kind, et al. (2019) Dis Markers. 2019:4928315.

Synonyms

CD138, SDC, SDC1, SYND1, syndecan

Selected Validation Data



Purity of Recombinant Human Syndecan-1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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