

For Research Use Only

Recombinant Human NCAM-1/CD56 protein (Myc Tag, His Tag)



Catalog Number: Eg31816

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 NCAM-1 protein Leu20-Gly718 (Accession# P13591-2) with a Myc tag and a His tag at the C-terminus.

GeneID:

4684

Accession:

P13591-2

Predicted Molecular Mass:

82.4 kDa

SDS-PAGE:

90-130 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

Neural cell adhesion molecule 1 (NCAM1, also known as CD56) is a cell adhesion glycoprotein of the immunoglobulin (Ig) superfamily. It is a multifunction protein involved in synaptic plasticity, neurodevelopment, and neurogenesis. NCAM1 is expressed on human neurons, glial cells, skeletal muscle cells, NK cells and a subset of T cells, and the expression is observed in a wide variety of human tumors, including myeloma, myeloid leukemia, neuroendocrine tumors, Wilms' tumor, neuroblastoma, and NK/T cell lymphomas.

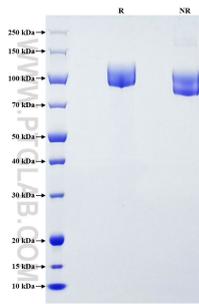
References

1. Shukrun R. et al. (2019) *Oncogenesis*. 8(9):48.
2. Sasca D. et al. (2019) *Blood*. 133(21):2305-2319.
3. Gunesch JT. et al. (2020) *Elife*. 9:e57346.
4. Sekiguchi Y. et al. (2013) *J Clin Exp Hematop*. 53(1):37-47.

Synonyms

CD56, NCAM1, MSK39, N CAM 1, NCAM

Selected Validation Data



Purity of Recombinant Human NCAM-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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