

Recombinant Human NCAM-1/CD56 Protein

Catalog No.: RP03107

Sequence Information

Species	Gene ID
Human	4684
Swiss Prot	Tags
P13591-2	C-His

Synonyms

N-CAM-1; NCAM-1; NCAM1;
CD56; NCAM; MSK39

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
78.23 kDa	100-140 kDa

Endotoxin

< 0.01 EU/μg of the protein by LAL
method

Formulation

Lyophilized from a 0.22 μm filtered
solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening.
Reconstitute to a concentration of
0.1-0.5 mg/mL in sterile distilled
water. Avoid vortex or vigorously
pipetting the protein. For long
term storage, it is recommended
to add a carrier protein or stabilizer
(e.g. 0.1% BSA, 5% HSA, 10% FBS
or 5% Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

Background

Neural Cell Adhesion Molecule 1 (NCAM-1), a multifunctional member of the immunoglobulin superfamily, is expressed on the surface of neurons, glia, skeletal muscle, and natural killer cells. NCAM-1 has been implicated as having a role in cell-cell adhesion, involved in development of the nervous system, and for cells involved in the expansion of T cells and dendritic cells which play an important role in immune surveillance.

Basic Information

Description

Recombinant Human NCAM-1/CD56 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu20-Gly718) of Human NCAM-1/CD56 (Accession #NP_851996.2) fused with a 6×His tag at the C-terminus.

Activity

Measured by the ability of the immobilized protein to support the adhesion of Neuro-2A Human neuroblastoma cells. The ED50 for this effect is 1.8-7.2 μg /mL.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

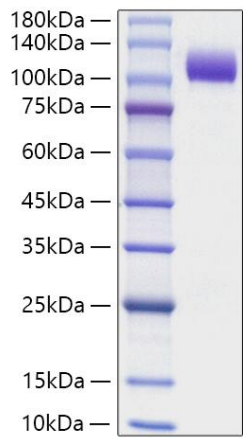
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

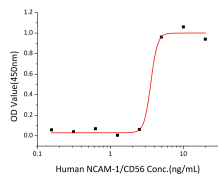
Contact

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Validation Data



Recombinant Human NCAM-1/CD56 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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