

Catalog No.: RP01983 **Recombinant**

Species	Gene ID	Swiss Prot
Human	1000	P19022

Tags
C-hFC

CDH2; CDHN; NCAD; Cadherin-2;
CDw325; Neural cadherin; N-cadherin;
CD325

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

Calculated MW	Observed MW
87.74 KDa	100-140 kDa

< 0.01 EU/μg of the protein by LAL method

Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4.

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.

N-Cadherin/CDH2[also known as N-Cadherin (neuronal) (NCAD), is a single-pass transmembrane protein and a cadherin containing 5 cadherin domains. N-Cadherin displays a ubiquitous expression pattern but with different expression levels between endocrine cell types. CDH2 (NCAD) has been shown to play an essential role in normal neuronal development, which is implicated in an array of processes including neuronal differentiation and migration, and axon growth and fasciculation. In addition, N-Cadherin expression was upregulated in human HSC during activation in culture, and function or expression blocking of N-Cadherin promoted apoptosis. During apoptosis, N-Cadherin was cleaved into 20-100 kDa fragments. It may provide a novel target for therapies that are directed toward intimal proliferative disorders, including restenosis and vascular bypass graft failure. N-Cadherin is associated with tumor aggressiveness and metastatic potential and may contribute to tumor progression.

Recombinant Human N-Cadherin/CDH2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp160-Ala724) of Human N-Cadherin/CDH2 (Accession #NP_001783.2) fused with hFC at the C-terminus.

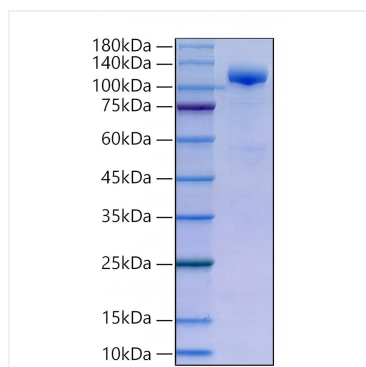
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

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Validation Data



Recombinant Human N-Cadherin/CDH2
Protein was determined by SDS-PAGE under
reducing conditions with Coomassie Blue.