

# Human N Cadherin Protein

Cat. No. CDH-HM20N

## Description

<b>Source</b>	Recombinant Human N Cadherin Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Asp160-Ala724.
<b>Accession</b>	NP_001783.2
<b>Molecular Weight</b>	The protein has a predicted MW of 88.56 kDa. Due to glycosylation, the protein migrates to 100-120 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 90% as determined by Tris-Bis PAGE

## Formulation and Storage

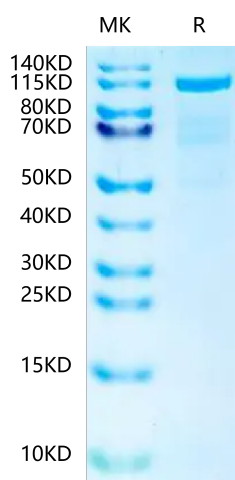
<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Neural (N)-cadherin is a calcium-dependent single-chain transmembrane glycoprotein that mediates homotypic and heterotypic cell-cell adhesion. As an important member of the cadherin family, N-cadherin plays an important role in the developmental and functional regulation of the nervous system, brain, heart, skeletal muscles, blood vessels and hematopoietic microenvironment.

## Assay Data

### Tris-Bis PAGE



Human N Cadherin on Tris-Bis PAGE under reduced condition. The purity is greater than 90%.