Human N Cadherin Protein, Ultra Low Endotoxin

Cat. No. CDH-HM10N-UL

Description

Source	Recombinant Human N Cadherin Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Asp160-Ala724.
Accession	NP_001783.2
Molecular Weight	The protein has a predicted MW of 62.90 kDa. Due to glycosylation, the protein migrates to 75-90 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.001 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 90% as determined by HPLC

Formulation and Storage

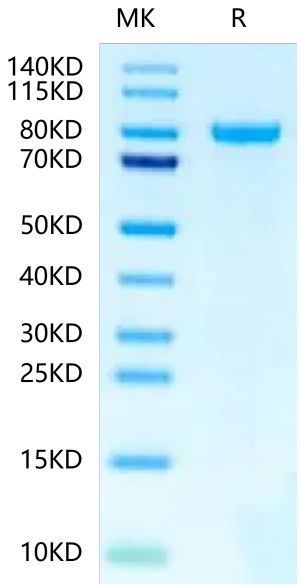
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months 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

Bis-Tris PAGE



Human N Cadherin on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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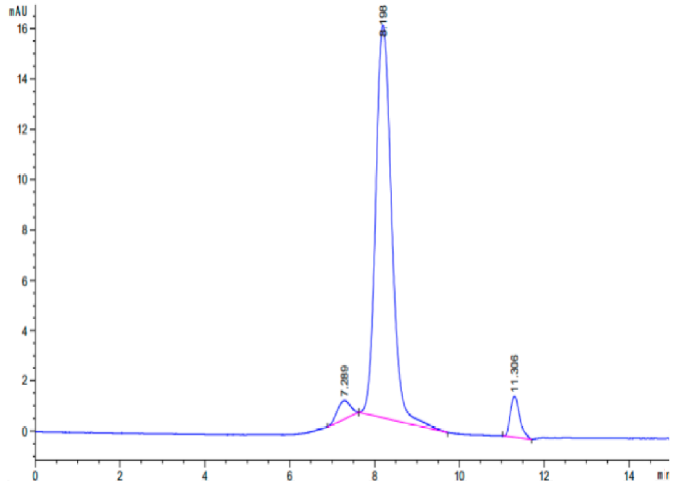

The purity of Human N Cadherin is greater than 90% as determined by SEC-HPLC.