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Datasheet for ABIN7504474

N-Cadherin Protein (AA 160-724) (His tag)

Overview

Quantity:	100 µg
Target:	N-Cadherin (CDH2)
Protein Characteristics:	AA 160-724
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This N-Cadherin protein is labelled with His tag.

Product Details

Purpose:	Human N Cadherin Protein
Sequence:	Asp160-Ala724
Characteristics:	Recombinant Human N Cadherin Protein is expressed from HEK293 with His tag at the C-terminus. It contains Asp160-Ala724.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 90 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	N-Cadherin (CDH2)
Alternative Name:	N Cadherin (CDH2 Products)

Target Details

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.
Molecular Weight:	62.90 kDa. Due to glycosylation, the protein migrates to 75-90 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_001783
Pathways:	Regulation of Muscle Cell Differentiation , Cell-Cell Junction Organization , Synaptic Membrane

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months 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.
Expiry Date:	12 months