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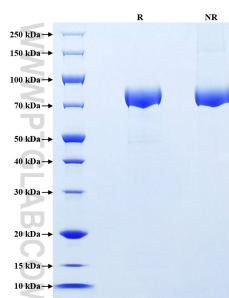
Recombinant Human N-Cadherin protein (His Tag)



Catalog Number: Eg0701

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human N-Cadherin protein Asp160-Ala724 (Accession# P19022-1) with a His tag at the C-terminus.</p> <p>GeneID: 1000</p> <p>Accession: P19022-1</p> <p>Predicted Molecular Mass: 62.9 kDa</p> <p>SDS-PAGE: 70-90 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>Cadherins are a family of transmembrane glycoproteins that mediate calcium-dependent cell-cell adhesion and play an important role in the maintenance of normal tissue architecture. N-cadherin (neural cadherin), also known as CDH2 (cadherin 2), is a 130-kDa transmembrane protein and a classical member of the cadherin superfamily which also include E-, P-, R-, and B-cadherins. Expression of N-cadherin has been reported on various cell types including neurons, endothelial cells and cardiac myocytes. N-cadherin has functions in early brain morphogenesis, synaptogenesis and synaptic plasticity. Soluble N-cadherin (sN-CAD) is found in biological fluids, including serum, seminal fluid samples, and urine. It has been shown that significantly higher amounts of serum sN-CAD are present in cancer patients than in persons with no evidence of disease.</p>		
References	<ol style="list-style-type: none">1. Navarro, P et al. (1998) J Cell Biol.140(6):1475-1484.2. Derycke, Lara et al. (2006) Int J Cancer.119(12):2895-2900.3. Moya, Pablo R et al. (2013) Eur J Hum Genet.21(8):850-854.		
Synonyms	N-cadherin, Cadherin 2, Cadherin-2, CD325, CDH2		

Selected Validation Data



Purity of Recombinant Human N-Cadherin was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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