Human N-Cadherin, C-His Tag Protein HA211124



Product name:	Human N-Cadherin, C-His Tag								
Species reactivity:	Human								
Bio-Activity:	Testing in progress.								
Protein construction description:	A DNA sequence encoding the human N-Cadherin protein (P19022) (Asp 160-Ala 724) was expressed with a His tag at the C-terminus.								
Background:	Calcium-dependent cell adhesion protein; preferentially mediates homotypic cell-cell adhesion by dimerization with a CDH2 chain from another cell. Cadherins may thus contribute to the sorting of heterogeneous cell types. Acts as a regulator of neural stem cells quiescence by mediating anchorage of neural stem cells to ependymocytes in the adult subependymal zone: upon cleavage by MMP24, CDH2-mediated anchorage is affected, leading to modulate neural stem cell quiescence. Plays a role in cell-to-cell junction formation between pancreatic beta cells and neural crest stem (NCS) cells, promoting the formation of processes by NCS cells (By similarity). Required for proper neurite branching. Required for pre- and postsynaptic organization (By similarity). CDH2 may be involved in neuronal recognition mechanism. In hippocampal neurons, may regulate dendritic spine density.								
Purity:	>95% as determined by SDS-PAGE.								
Endotoxin:	Less than 1.0 EU per μ g by the LAL method.								
Fragment region:	N-Cadherin (160-724)								
Source:	HEK293								
Accession:	P19022								
Predicted molecular mass:	63.6 kD								
Formulation:	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.								
Reconstitution:	Reconstitute at 250 µg/ml in sterile water.								
Storage:	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at - 20° C to - 80° C It is recommended that aligned the reconstituted solution to minimize freeze-thaw cycles.								

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images



Fig1: Protein on SDS-PAGE under reducing (R) condition.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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