

Recombinant Rhesus Monkey CDH2 Protein, hlgG4-tagged

Cat. No. CDH2-1742R Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Rhesus monkey CDH2 Protein (XP_014977198 (aa.160-724)) was expressed in human HEK293 cells with hlgG4 tag.

Species Rhesus macaque

Source HEK293

ProteinLength 160-724 a.a.

Description

N-cadherin, also known as Cadherin-2 (CDH2) or neural cadherin (NCAD), a classical cadherin from the cadherin superfamily, composed of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. N-cadherin, as well as other cadherins, interact with N-cadherin on an adjacent cell in an anti-parallel conformation, thus creating a linear, adhesive "zipper". between cells. Cadherin-2 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. CDH2 may be involved in neuronal recognition mechanism. In hippocampal neurons, may regulate dendritic spine density. In cardiac muscle, N-cadherin is an integral component in adherens junctions residing at intercalated discs, which function to mechanically and electrically couple adjacent cardiomyocytes.

Form PBS, pH7.4.

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|----------------------|--|
| Purity | > 95 % |
| Applications | ELISA; WB; Immunogen |
| Storage | -80 centigrade, Avoid freeze/thaw cycle. |
| Concentration | 1 mg/mL |

GENE INFORMATION

| | |
|------------------------|--|
| Gene Name | CDH2 cadherin 2 [<i>Macaca mulatta</i> (Rhesus monkey)] |
| Official Symbol | CDH2 |
| Synonyms | CDH2; cadherin 2; type 1; N-cadherin (neuronal); NCAD; cadherin-2; CD325; CDHN; N cadherin; N-cadherin 1; neural cadherin; neural-cadherin; cadherin 2; N-cadherin (neuronal); calcium-dependent adhesion protein; neuronal; CDw325; |
| Gene ID | 711526 |
| mRNA Refseq | XM_015121712.1 |
| Protein Refseq | XP_014977198 |

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