

## Recombinant Rhesus Monkey CDH2 Protein, hlgG1-tagged

Cat. No. CDH2-1741R Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rhesus monkey CDH2 Protein (XP_014977198 ( aa.160-724)) was expressed in human HEK293 cells with hlgG1 tag.
<b>Species</b>	Rhesus macaque
<b>Source</b>	HEK293
<b>ProteinLength</b>	160-724 a.a.
<b>Description</b>	<p>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.</p>
<b>Form</b>	PBS, pH7.4.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

## GENE INFORMATION

<b>Gene Name</b>	CDH2 cadherin 2 [ <i>Macaca mulatta</i> (Rhesus monkey) ]
<b>Official Symbol</b>	CDH2
<b>Synonyms</b>	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;
<b>Gene ID</b>	711526
<b>mRNA Refseq</b>	XM_015121712.1
<b>Protein Refseq</b>	XP_014977198

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA