

Recombinant Human CDH2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CDH2-6651H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CDH2 MS Standard C13 and N15-labeled recombinant protein (NP_001783) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a classical cadherin and member of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein is proteolytically processed to generate a calcium-dependent cell adhesion molecule and glycoprotein. This protein plays a role in the establishment of left-right asymmetry, development of the nervous system and the formation of cartilage and bone.
Molecular Mass	99.8 kDa
AA Sequence	MCRIAGALRTLLPLLAALLQASVEASGEIALCKTGFPEDVYSAVLSKDVHEGQPLLNV KFSNCNGKRKVQYESSEPADFKVDEDEGMVYAVRSFPLSSEHAKFLIYAQDKETQEK WQVAVKLSLKPTLTEESVKESAEVEEIVFPRQFSKHSGLQRQKRDWVISPINLPEN SRGPFQQLVRIRSDRDKNLSLRYSVTGPGADQPPTGIFIINPISGQLSVTKPLDREQI ARFHLRAHAVDINGNQVENPIDIVINVIDMNDNRPEFLHQVWNGTVPEGSKPGTYVM TVTAIDADDPNALNGMLRYRIVSQAPSTPSPNMFTINNETGDIITVAAGLDREKVQQY TLIIQATDMEGNPTYGLSNTATAVITVTDVNDNPPEFTAMTFYGEVPENRVDIIVANLT

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

VTDKDQPHTPAWNAVYRISGGDPTGRFAIQTDQNSNDGLVTVVKPIDFEANRMFVL
TVAAENQVPLAKGIQHPPQSTATMSVTVIDVNENPYFAPNPKIIRQEEGLHAGTMLTT
FTAQDPDRYMQQNIRYTKLSDPANWLKIDPVNGQITTI AVL DRESPNVKNNIYNATFL
ASDNGIPPMSGTGTLQIYLLDINDNAPQVLPQEAETCETPD PNS INITALDYGIDPNAG
PFAFDLPLSPVTIKRNWTITRLNGDFAQLNLKIKFLEAGIYEVPIITDSGNPPKSNISILR
VKVCQCDSNGDCTDVDRIVGAGLGTGAIIALLCIIILLILVLMFVVMKRRDKERQAK
QLLIDPEDDVRDNILKYDEEGGGEEDQDYDLSQLQQPDTVEPDAIKPVGIRRMDERP
IHAEPQYPVRS AAPHPGDIGDFINEGLKAADNDPTAPPYDSSLVFDYEGSGSTAGSL
SSLNSSSSGGEQDYDYLNDWGPRFKKLADMYGGGDDTRTRPLEQKLISEEDLAAN
DILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CDH2 cadherin 2 [Homo sapiens (human)]

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;

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Gene ID	1000
mRNA Refseq	NM_001792
Protein Refseq	NP_001783
MIM	114020
UniProt ID	P19022
SDS-PAGE	