

# Recombinant Human CDH2 protein(Met1-Ala724), His&hFc-tagged

**Cat. No.** CDH2-2360H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CDH2 (NP_001783.2) (Met 1-Ala 724) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of Human IgG1 at the C-terminus.                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Met1-Ala724                                                                                                                                                                                                                                                                                                                 |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                                                                                              |
| <b>Molecular Mass</b>   | The secreted recombinant human CDH2 is a disulfide-linked homodimeric protein. The reduced monomer comprises 813 amino acids and has a predicted molecular mass of 89.9 kDa. As a result of glycosylation, it migrates as an approximately 114 and 119 kDa band in SDS-PAGE under reducing conditions due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                                                                                              |
| <b>Purity</b>           | > 70 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein                                                                                                                                                  |

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** [CDH2 cadherin 2, type 1, N-cadherin \(neuronal\) \[ Homo sapiens \]](#)

**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** [1000](#)

**mRNA Refseq** [NM\\_001792](#)

**Protein Refseq** [NP\\_001783](#)

**MIM** [114020](#)

**UniProt ID** [P19022](#)

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