

## Active Recombinant Human CDH16 protein, C-His-tagged

Cat. No. CDH16-3860H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human CDH16 protein(NP_004053.1) (Met 1-Ala 786) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 1-786 aa                                                                                                                                                                                                                                                                 |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                                                                                    |
| <b>Bio-activity</b>     | Measured by the ability of the immobilized protein to support the adhesion of MCF-7 human breast adenocarcinoma cells. When cells are added to CDH16-His coated plates (10 µg/mL, 100 µL/well), approximately 20-40% will adhere specifically after 60 minutes at 37 °C. |
| <b>Molecular Mass</b>   | The recombinant human CDH16 comprises 779 amino acids and has a calculated molecular mass of 84.8 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 100 kDa protein in SDS-PAGE under reducing conditions.                         |
| <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>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to                                                                                                                                                                                         |

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aliquot the protein into smaller quantities 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.

**protein Refseq-Weblink**

[http://www.ncbi.nlm.nih.gov/protein/NP\\_001191673.1](http://www.ncbi.nlm.nih.gov/protein/NP_001191673.1)

**Unit ID**

O75309

**Unit ID-Weblink**

<http://www.uniprot.org/uniprot/O75309>

## GENE INFORMATION

**Gene Name**

CDH16 cadherin 16, KSP-cadherin [ Homo sapiens ]

**Official Symbol**

CDH16

**Synonyms**

CDH16; cadherin 16, KSP-cadherin; cadherin-16; KSP-cadherin; kidney-specific cadherin;

**Gene ID**

1014

**mRNA Refseq**

[NM\\_001204744](#)

**protein Refseq**

NP\_001191673

**MIM**

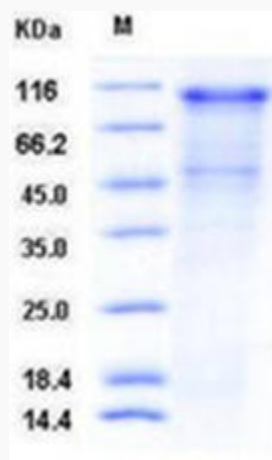
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SDS-PAGE



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