

## Cadherin-16 (Cdh16) Recombinant Protein | Cdh16 recombinant protein

Recombinant Mouse Cadherin-16 (Cdh16), partial

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA116074</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

### PRODUCT SYNONYMS

Cadherin-16 (Cdh16); Recombinant Mouse Cadherin-16 (Cdh16); partial; Cdh16 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sequence Positions      | 22-788aa; Partial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sequence                | QPAESLHTEV PENYGGNFPF YILKLPLPLG RDEGHIVLSG DSNTADQNTF AVDTDSGFLV ATRTLDREEK AEYQLQVTLE SEDGRILWGP QLVTVHVKDE NDQVPQFSQA IYRAQLSQTG RPGVPFLFLE ASDGDAPGTA NSDLRFHILS QSPQPPLPDM FQLDPHLGAL ALSPSGSTSL DHALEETYQL LVQVKDMGDQ PSGHQAIATV EISIVENSWA PLEPVHLAEN LKVVYPHSIA QVHWSGGDVH YQLESQPPGP FDVDTEGMLH VTMELDREAQ AEYQLQVRAQ NSHGEDIAEP LELQVVVMDE NDNAPVCSPH DPTVNIPELS PPGTEIARLS AEDLDAPGSP NSHIVYQLLS PEPEEGAENK AFELDPTSGS VTLGTAPLHA GQSILLQVLA VDLAGSEGL SSTCEVTVMV TDVNNHAPEF INSQIGPVTL PEDVKPGALV ATLMATDADL EPAFRLMDFA IEEGDPEGIF DLSWEPDS DH VQLRLRNLS YEAAPDHKVV VVSNIEELV GPGGPAATA TVTILVERVV APLKLDQESY ETSIPVSTPA GSLLTIQPS DPMSRTLRF S LVNDSEGWLC IKEVSGEVHT AQS LQGAQPG DTYTVLVEAQ DTDKPG LSTS ATVVIHFLKA SPVPALTLSA GPSRHLCTPR QDYG VV VSGV SEDPDLANRN GPYSFALGPN PTVQRDWRLQ PLNDSHAYLT LALHWVEPGE YMVPVVVHHD THMWQLQVKV IVCRCNVEGQ CMRKVGRMKG MPTKLSA |
| Species                 | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Preparation and Storage | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

### ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for Cdh16 recombinant protein | This gene is a member of the cadherin superfamily, genes encoding calcium-dependent, membrane-associated glycoproteins. Mapped to a previously identified cluster of cadherin genes on chromosome 16q22.1, the gene localizes with superfamily members CDH1, CDH3, CDH5, CDH8 and CDH11. The protein consists of an extracellular domain containing 6 cadherin domains, a transmembrane region and a truncated cytoplasmic domain but lacks the prosequence and tripeptide HAV adhesion recognition sequence typical of most classical cadherins. Expression is exclusively in kidney, where the protein functions as the principal mediator of homotypic cellular recognition, playing a role in the morphogenic direction of tissue development. |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| NCBI GI #                 | <a href="#">6680900</a>                         |
| NCBI GeneID               | <a href="#">12556</a>                           |
| NCBI Accession #          | <a href="#">NP_031689.1</a>                     |
| NCBI GenBank Nucleotide # | <a href="#">NM_007663.3</a>                     |
| UniProt Accession #       | <a href="#">O88338</a> ; <a href="#">Q9JLZ5</a> |

|                                  |                       |
|----------------------------------|-----------------------|
| Molecular Weight                 | 89,860 Da             |
| NCBI Official Full Name          | cadherin-16 isoform 1 |
| NCBI Official Synonym Full Names | cadherin 16           |
| NCBI Official Symbol             | Cdh16                 |
| NCBI Protein Information         | cadherin-16           |
| UniProt Protein Name             | Cadherin-16           |
| UniProt Gene Name                | <b>Cdh16</b>          |
| UniProt Synonym Gene Names       | Ksp-cadherin          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/cdh16-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/116074>