

# Recombinant Full Length Human CDH16 Protein, GST-tagged

**Cat. No.** CDH16-3138HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human CDH16 full-length ORF (NP_004053.1, 1 a.a. - 829 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	829 amino acids
<b>Description</b>	<p>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. Alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Mar 2011]</p>
<b>Molecular Mass</b>	116.3 kDa
<b>AA Sequence</b>	MVPAWLWLLCVSVPQALPKAQPAELSVEVPENYGGNFPLYLTKLPLPREGAEGQIV LSGDSGKATEGPFAMDPDSGFLLVTRALDREEQAQYQLQVLTLEMQDGHVWLPQP

 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

VLVHVKDENDQVPHFSQAIYRARLSRGTRPGIPFLFLEASDRDEPGTANSDLRFHILS  
 QAPAQPSPDMFQLEPRLGALALSPKGSTSLDHALERTYQLLVQVKDMGDQASGHQ  
 ATATVEVSIIESTWVSLEPIHLAENLKVLYPHHMAQVHWSSGGDVHYHLESHPPGPFE  
 VNAEGLNYVTRELDREAQAEYLLQVRAQNSHGEDYAAPLELHVLVMDENDNVPICP  
 PRDPTVSIPELSPPGTEVTRLSAEDADAPGSPNSHVYQLLSPEPEDGVEGRAEQV  
 DPTSGSVTLGLVPLRAGQNILLVLAMDLAGAEGGFSSTCEVEVAVTDINDHAPEFIT  
 SQIGPISLPEDVEPGTLVAMLTADADLEPAFRLMDFAIERGDTEGTFGLDWEPDSGH  
 VRLRLCKNLSYEAAPSHEVVVVVQSVAKLVGPGPGGATATVTVLVERVMPPPCLD  
 QESYEASVPISAPAGSFLTIQPSDPISRTRFSLVNDSEGWLCIEKFSGEVHTAQSL  
 QGAQPGDYTVLVEAQDTDEPRLSASAPLVIHFLKAPPAPALTLAPVPSQYLCTPRQ  
 DHGLIVSGPSKDPDLASGHGPYSFTLGNPTVQRDWRLQTLNGSHAYLTLALHWVE  
 PREHIIPVVVSHNAQMWQLLVRVIVCRCNVEGQC MRKVGRMKGMPTKLSAVGILVG  
 TLVAIGIFLILIFTHWTMSRKKDPDQPADSVPLKATV

**Applications**  
 Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## 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

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	cadherin;
<b>Gene ID</b>	1014
<b>mRNA Refseq</b>	NM_001204744
<b>Protein Refseq</b>	NP_001191673
<b>MIM</b>	603118
<b>UniProt ID</b>	O75309

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