

Recombinant Human CDH16 Protein, MYC/DDK-tagged

Cat. No. CDH16-3151H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDH16 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	87.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name CDH16 cadherin 16, KSP-cadherin [Homo sapiens]

Official Symbol CDH16

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

Gene ID 1014

mRNA Refseq NM_001204744

Protein Refseq NP_001191673

MIM 603118

UniProt ID O75309

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