

# Recombinant Human CDH3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CDH3-5818H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

CDH3 MS Standard C13 and N15-labeled recombinant protein (NP\_001784) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

This gene encodes a classical cadherin of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion protein is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. This gene is located in a gene cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. In addition, aberrant expression of this protein is observed in cervical adenocarcinomas. Mutations in this gene are associated with hypotrichosis with juvenile macular dystrophy and ectodermal dysplasia, ectrodactyly, and macular dystrophy syndrome (EEMS).

### Molecular Mass

91.5 kDa

### AA Sequence

MGLPRGPLASLLLLQVCWLQCAASEPCRAVFREAEVTLEAGGAEQEPGQALGKVF  
MGCPGQEPALFSTDNDFFTNRNGETVQERRSLKERNPLKIFPSKRILRRHKRDWVV

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APISVPENGGKPPFQRLNQLKSNKDRDTKIFYSITGPGADSPPEGVFAVEKETGWLL  
 LNKPLDREEIAKYELFGHAVSENGASVEDPMNISIIVTDQNDHKPKFTQDTRFGSVLE  
 GVLPGTSVMQMTATDEDDAIYTYNGVVAYSIHSQEPKDPHLMFTIHRSTGTISVISS  
 GLDREKVPEYTLTIQATDMDGDGSTTTAVAVVEILDANDNAPMFDPQKYEAHVPEN  
 AVGHEVQRLTVTDLDAPNSPAWRATYLIMGGDDGDHFTITTHPESNQGILTTRKGLD  
 FEAKNQHTLYVEVTNEAPFVLKLPSTATIVVHVEDVNEAPVFVPPSKVVEVQEGIPT  
 GEPVCVYTAEDPDKENQKISYRILRDPAGWLAMPDPSGQVTAVGTLDREDEQFVRN  
 NIYEVMLAMDNGSPPTTGTGTTTTLIDVNDHGPVPEPRQITICNQSPVRQVLNITD  
 KDLSPHTSPFQAQLTDDSDIYWTAEVNEEGDTVVLSSKFLKQDQTYDVHLSLSDHGN  
 KEQLTVIRATVCDCHGHVETCPGPWKGGFILPVLGAVLALLFLLLVLLLLVLRKKRRIKE  
 PLLLPEDDTRDNVFIYGGEEGGGEEEDQDYDITQLHRGLEARPEVLRNDVAPTIPTP  
 MYRPRPANPDEIGNFIENLKAANTDPTAPPYDTLLVFDYEGSGSDAASLSSLTSSAS  
 DQDQDYDYLNEWGSRFKKLADMYGGGEDDTRTRPLEQKLISEEDLAANDILDYKDD  
 DDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** CDH3 cadherin 3 [ Homo sapiens (human) ]

**Official Symbol** CDH3

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<b>Synonyms</b>	CDH3; cadherin 3, type 1, P-cadherin (placental); cadherin 3, P cadherin (placental); cadherin-3; CDHP; PCAD; calcium-dependent adhesion protein, placental; HJMD;
<b>Gene ID</b>	1001
<b>mRNA Refseq</b>	NM_001793
<b>Protein Refseq</b>	NP_001784
<b>MIM</b>	114021
<b>UniProt ID</b>	P22223

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