

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	MGLPRGPLASLLLLQVCWLQCAASEPCRAVFREA EVTLEAGGAEQEPGQALGKVF MGCPGQEPALFSTDND DFTVRNGETVQERRSLKERNPLKIFPSKRILRRHKRDWVV

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APISVPENGKGPPQRLNQLKSNKDRDTKIFYSITGPGADSPPEGVFAVEKETGWLL
 LNKPLDREEIAKYELFGHAVSENGASVEDPMNISIVTDQNDHKPKFTQDTFRGSVLE
 GVLPGTSVMQMTATDEDDAIYTYNGVVAYSISQEPKDPHDLMTIHRSTGTISVISS
 GLDREKVPEYTLTIQATDMDGDGSTTTAVAVVEILDANDNAPMFDPQKYEAHPEN
 AVGHEVQRLTVTDLDAPNSPAWRATYLMGGDDGDHFTITTHPESNQGILTTRKGLD
 FEAKNQHTLYVEVTNEAPFVLKLPSTATIVVHVEDVNEAPVFVPPSKVVEVQEGIPT
 GEPVCVYTAEDPDKENQKISYRILRDPAGWLAMPDPSGQVTAVGTLTREDEQFVRN
 NIYEVMLAMDNGSPPTTGTGTLTLLIDVNDHGPVPEPRQITICNQSPVRQVLNITD
 KDLSPHTSPFQAQLTDDSDIYWTAEVNEEGDTVVLSLKKFLKQDTYDVHLSLSDHGN
 KEQLTVIRATVCDCHGHVETCPGPWKGGFILPVLGAVLALLFLLVLLLVLRKKRRIKE
 PLLLPEDDTRDNVFIYGGEEGGGEEQDYDITQLHRGLEARPEVLRNDVAPTIPTP
 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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Synonyms	CDH3; cadherin 3, type 1, P-cadherin (placental); cadherin 3, P cadherin (placental); cadherin-3; CDHP; PCAD; calcium-dependent adhesion protein, placental; HJMD;
Gene ID	1001
mRNA Refseq	NM_001793
Protein Refseq	NP_001784
MIM	114021
UniProt ID	P22223
SDS-PAGE	