

Recombinant Full Length Human CDH3 Protein, GST-tagged

Cat. No. CDH3-3149HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDH3 full-length ORF (AAH41846.1, 1 a.a. - 829 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	829 amino acids
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). [provided by RefSeq, Nov 2015]
Molecular Mass	117.9 kDa
AA Sequence	MGLPRGPLASLLLLQVCWLQCAASEPCRAVFREA EVTLEAGGAEQEPGQALGKVF MGCPGQEPALFSTDND DFTVRNGETVQERRSLKERNPLKIFPSKRILRRHKRDWV

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APISVPENGKGPPQRLNQLKSNKDRDTKIFYISITGPGADSPPEGVFAVEKETGWLL
 LNKPLDREEIAKYELFGHAVSENGASVEDPMNISIIVTDQNDHKPKFTQDTRGVSLE
 GVLPGTSVMQMTATDEDDAIYTYNGVVAYSISQEPKDPHDLMTIHRSTGTISVISS
 GLDREKVPEYTLTIQATDMDGDGSTTTAVAVVEILDANDNAPMFDPQKYEAHVPE
 AVGHEVQRLTVTDLDAPNSPAWRATYLMGGDDGDHFTITTHPESNQGILTTRKGLD
 FEAKNQHTLYVEVTNEAPFVLKLPTSTATIVHVEDVNEAPVFVPPSKVVEVQEGIPT
 GEPVCVYTAEDPDKENQKISYRILRDPAGWLAMPDPSGQVTAVGTLTREDEQFVRN
 NIYEVMLAMDNGSPPTTGTGTLTLLIDVNDHGPVPEPRQITICNQSPVRQVLNITD
 KDLSPHTSPFQAQLTDDSDIYWTAEVNEEGDTVVLSLKKFLKQDTYDVHLSLSDHGN
 KEQLTVIRATVCDCHGHVETCPGPWKGGFILPVLGAVLALLFLLLVLVLRKKRRIKE
 PLLLPEDDTRDNVFIYGGEEGGGEEQDYDITQLHRGLEARPEVLRNDVAPTIPTP
 MYRPRPANPDEIGNFIENLKAANTDPTAPPYDTLLVFDYEGSGSDAASLSSLTSSAS
 DQDQDYDYLNEWGSRFKKLADMYGGGEDD

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

CDH3 cadherin 3, type 1, P-cadherin (placental) [Homo sapiens]

Official Symbol

CDH3

Synonyms

CDH3; cadherin 3, type 1, P-cadherin (placental); cadherin 3, P cadherin (placental);

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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 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA