

Recombinant Full Length Human CDH13 Protein, GST-tagged

Cat. No. CDH13-3137HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDH13 full-length ORF (AAH30653, 1 a.a. - 713 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	713 amino acids
Description	This gene encodes a member of the cadherin superfamily. The encoded protein is localized to the surface of the cell membrane and is anchored by a GPI moiety, rather than by a transmembrane domain. The protein lacks the cytoplasmic domain characteristic of other cadherins, and so is not thought to be a cell-cell adhesion glycoprotein. This protein acts as a negative regulator of axon growth during neural differentiation. It also protects vascular endothelial cells from apoptosis due to oxidative stress, and is associated with resistance to atherosclerosis. The gene is hypermethylated in many types of cancer. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2011]
Molecular Mass	104.17 kDa
AA Sequence	MQPRTPLVLCVLLSQVLLLTSAEDLDCTPGFQQKVHINQPAEFIEDQSILNLTFSDC KGNDKLRYEVSSPYFKVNSDGGGLVALRNITAVGKTLFVHARTPHAEDMAELVIVGGK DIQGS LQDIFKFARTSPVPRQKRSIVVSPILIPENQRQPFPRDVGKVVDS DRPERSKF RLTGKGV DQEPKGIFRINENTGSVSMTRTL DREVIAVYQLFVETTDVNGKTLEGPVP

 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

LEVIVIDQNDNRPIFREGPYIGHVMEGSPTGTTVMRMTAFDADDPATDNALLRYNIRR
 QTPDKPSPNMFYIDPEKGDIVTVVSPALLDRETLENPKYELIIEAQDMAGLDVGLTGT
 ATATIMIDDKNDHSPKFTKKEFQATVEEGAVGVIVNLTVEDKDDPATGAWRAAYTIIN
 GNPGQSFEIHTNPQTNEGMLSVMKPLDYEISAFHTLLIKVENEDPLVPDVSYGPSSTA
 TVHITVLDVNEGPVFYPDPMVTRQEDLSVGSVLLTVNATDPDSLQHQTIIRYSVYKD
 PAGWLNINPINGTVDTTAVLDRESTFVDNSVYTALFLAIDSGNPPATGTGTLITLEDV
 NDNAPFIYPTVAEVCDDAKNLSVILGASDKDLHPNTDPFKFEIHKQAVPDKVWKISK
 INNTHALVSLLQNLNKANYNLPIMVTDGKPPMTNITDLRVQVCSCRNSKVDCNAAG
 ALRFSLSVLLLSLFLACL

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 CDH13 cadherin 13, H-cadherin (heart) [Homo sapiens]

Official Symbol CDH13

Synonyms CDH13; cadherin 13, H-cadherin (heart); cadherin-13; CDHH; T cadherin; T-cad; H-cadherin; T-cadherin; heart cadherin; P105;

Gene ID 1012

mRNA Refseq NM_001220488

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Protein Refseq	NP_001207417
MIM	601364
UniProt ID	P55290

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