



# Recombinant Human Cadherin-13 (CDH13)

<b>Product Code</b>	CSB-YP005039HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P55290
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SI VVSPILIPEN QRQPFPRDVG KVVDSDRPER SKFRLTGKGV DQEPKGIFRI NENTGSVSVT RTLDREVIIV YQLFVETTDV NGKTLEGPVP LEVIVIDQND NRPIFREGPY IGHVMEGSPT GTTVMRMTAF DADDPATDNA LLRYNIRQQT PDKPSPNMFY IDPEKGDIVT VVSPALLDRE TLENPKYELI IEAQDMAGLD VGLTGTATAT IMIDDKNDHS PKFTKKEFQA TVEEGAVGVI VNLTVEDKDD PTTGAWRAAY TIINGNPGQS FEIHTNPQTN EGMLSVVKPL DYEISAFHTL LIKVENEDPL VPDVSYGPSS TATVHITVLD VNEGPVFYPD PMMVTRQEDL SVGSVLLTVN ATDPDSLQHQ TIRYSVYKDP AGWLNINPIN GTVDTTAVLD RESPFVDNSV YTALFLAIDS GNPPATGTGT LLITLEDVND NAPFIYPTVA EVCDDAKNLS VVILGASDKD LHPNTDPFKF EIHKQAVPDK VWKISKINNT HALVSLQLNL NKANYNLPIM VTDSGKPPMT NITDLRVQVC SCRNSKVDCN AAG
<b>Source</b>	Yeast
<b>Target Names</b>	CDH13
<b>Protein Names</b>	Recommended name: Cadherin-13 Alternative name(s): Heart cadherin Short name= H-cadherin P105 Truncated cadherin Short name= T-cad Short name= T-cadherin
<b>Expression Region</b>	139-693
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene is a member of the cadherin superfamily. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region but, unlike the typical cadherin superfamily member, lacks the highly conserved cytoplasmic region. This particular cadherin is a putative mediator of cell-cell interaction in the heart and may act as a negative regulator of neural cell growth. The gene locus is hypermethylated or deleted in breast, ovarian and lung cancers. Two major mRNA transcripts encoding identical proteins are found, products of alternative polyadenylation sites.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.