



Recombinant Human Cadherin-1 (CDH1)

Product Code	CSB-MP005034HU1
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P12830
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	DWVIPP ISCPENEKGP FPKNLVQIKS NKDKKEGKVFY SITGQGADTP PVGVFIIERE TGWLKVTEPL DRERIIATYTL FSHAVSSNGN AVEDPMEILI TVTDQNDNKP EFTQEVFKGS VMEGALPGTS VMEVTATDAD DDVNTYNAAI AYTILSQDPE LPDKNMFTIN RNTGVISVVT TGLDRESFPT YTLVVQAADL QGEGLSSTTAT AVITVTDND NPPIFNPTTY KGQVPENEAN VVITTLKVTD ADAPNTPAWE AVYTILNDDG GQFVTTNPV NNDGILKTAK GLDFEAKQQY ILHVAVTNVV PFEVSLTTST ATVTVDVLDV NEAPIFVPPE KRVEVSEDFG VGQEITSYTA QEPDTFMEQK ITYRIWRDTA NWLEINPDTG AISTRAELDR EDFEHVKNST YTALIIATDN GSPVATGTGT LLLILSDVND NAPIPEPRTI FFCERNPKPQ VINIIDADLP PNTSPFTAEL THGASANWTI QYNDPTQESI ILKPKMALEV GDYKINLKLM DNQNKDQVTT LEVSVCDCEG AAGVCRKAQP VEAGLQIPA
Source	Mammalian cell
Target Names	CDH1
Protein Names	Recommended name: Cadherin-1 Alternative name(s): CAM 120/80 Epithelial cadherin Short name= E-cadherin Uvomorulin CD_antigen= CD324 Cleaved into the following 3 chains: 1. E-Cad/CTF1 2. E-Cad/CTF2 3. E-Cad/CTF3
Expression Region	155-709
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Extracellular domain
Target Details	This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Mutations in this gene are correlated with gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function is thought to contribute to progression in cancer by increasing proliferation, invasion, and/or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is required for internalization. Identified transcript variants arise from mutation at consensus splice sites.
Reconstitution	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.

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.