

## 32-7726: Recombinant Human Cadherin-3/CDH3(C-6His)

**Gene :** CDH3  
**Gene ID :** 1001  
**Uniprot ID :** P22223

### Description

Source: Human Cells.  
MW :70.4kD.

Recombinant Human Cadherin-3 is produced by our Mammalian expression system and the target gene encoding Glu25-Gly654 is expressed with a 6His tag at the C-terminus. Cadherin-3 (CDH3) is a single-pass type I membrane protein that belongs to the cadherin superfamily. CDH3 is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region, and a highly conserved cytoplasmic tail. CDH3 is expressed in some normal epithelial tissues and in some carcinoma cell lines. CDH3 preferentially interacts with themselves in a homophilic manner in connecting cells. CDH3 is involved in loss of heterozygosity events in breast and prostate cancer. Mutations in CDH3 have been associated with congenital hypotrichosis with juvenile macular dystrophy.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 0f PBS, pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** EPCRAVFREA EVTLEAGGAEQEPGQALGKVFMGCPGQEPALFSTDND DFTVRNGETVQERRSLKERNPLKIFP  
SKRILRRHKRDWV VAPISVPENKGPFPQRLNQLKSNKDRDTKIFY SITGPGADSPPEGVFAVEKETGWLLL NKP  
LDREEIAKYELFGH AVSENGASVEDPMNISII VTDQNDHKPKFTQDTFRG SVLEGVLPGTSVMQMTATDEDDAI  
YTYNGVVAYS IHSQEPKDPHDL MFTIHRSTGTISVISSGLDREKVPEYTLTIQATDM DGDGSTTTAVAVVEILDAN  
DNAPMFDPQKYEAHVPENAVGHEVQRLTVTDLDAPNSPAWRATY LIMGGDDGDHFTITTHPESNQILTRK  
GLDFEAKNQHTLYVEVTNEAPFVLKLP TSTATIVVHVEDVNEAPVFPVPPSKVVEVQEGIPTGEPVCVYTAEDPK  
ENQKISYRILRDPAGW LAMPDPSGQVTAVGTL DREDEQFVRNNIYEVMLAMDNGSPPTTGTG TLLLTLIDVN  
DHGVPPEPRQITICNQSPVRQVLNITDKDLS PHTSPFQAQLTDDSDIYWTAEVNEEGDTV VLSLKKFLKQD TYD  
VHLSLSDHGNKEQLTVIRATVCDCHGHVETCPGPWKGGVDH HHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.