

## 32-8665: Recombinant Mouse Cadherin-3/P-Cadherin/CDH3 (C-Fc)

**Gene :** Cdh3  
**Gene ID :** 12560  
**Uniprot ID :** P10287

### Description

Source: Human Cells.  
MW :87.5kD.

Recombinant Mouse Cadherin-3 is produced by our Mammalian expression system and the target gene encoding Glu100-Gly647 is expressed with a Fc 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 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 :** EWVMPPIFVPENGKGFPPQRLNQLKSNKDRGTFKIFYSITGPGADSPPEGVFTIEKESGWLLHMLPLDREKIVKYE LYGHAVSENGASVEEPMNISIIVTDQNDNPKPKFTQDTRFGSVLEGVMPGTSVMQVTATDEDDAVNTYNGVVAY SIHSQEPKEPHDLMFTIHKSTGTISVISSGLDREKVPEYRLTVQATDMDGEGSTTTAEAVVQILDANDNAPEFEP QKYEAWVPENEVGHEVQRLTVTDLVDPNSPAWRATYHIVGGDDGDHFTITTHPETNQGVLTTKKGLDFEAQD QHTLYVEVTNEAPFAVKLPTATATVVVHVKDVNEAPVFVPPSKVIEAQEGISIGELVCIYTAQDPDKEDQKISYTIS RDPANWLAVDPDSGQITAAGILDREDEQFVKNNVYEVMLATDSGNPPTTGTGTLTLLTLDINDHGIPEPRQII ICNQSPVPQVLNITDKDLSNSSFQAQLTHDSDIYWMAEVSEKGDVALSLKFLKQDQTYDLHLSLSDHGNRE QLTMIRATVCDCHGQVFNDLCPRPWKGVDIEGRMDEPKCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLM ISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD SDGSFFLYSKLTVDKSRWQQGNVVFSCVMHEALHNHYTQKSLSLSPGK

### Application Note

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