

## Recombinant Human CDH11

Catalog No: CA45

<b>Description</b>	Recombinant Human Cadherin-11 is produced by our Mammalian expression system and the target gene encoding Phe23-Thr617 is expressed with a 6His tag at the C-terminus.
<b>Source</b>	Human Cells
<b>Alternative name</b>	Cadherin 11 Type 2 OB-cadherin (Osteoblast); Cadherin 11 Type 2 OB-Cadherin (Osteoblast) Isoform CRA_c; CDH11
<b>Accession No.</b>	P24593
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.
<b>Quality Control</b>	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.

<b>Storage</b>	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.
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**Amino Acid Sequence**

FAPERRGHLRPSFHGHHEKGKEGQVLQSRKRGWVWNQFFVIEEYTGPDVPLVGRHLHSDIDSGDGNIKYI  
 LSGEGAGTIFVIDDKSGNIHATKTLTREERAQYTLMAQAVDRDNRPLEPPSEFIVKVQDINDNPPEFLHE  
 TYHANVPERSNVGTSVIQVTASDADDPTYGNSAKLVYSILEGQPYFSVEAQTGIIRTPALPNMDREAKEEYH  
 VVIQAKDMGGHMGGLSGTTKVMITLTDVNDNPPKFPQSVYQMSVSEAAVPGEEVGRVKAKDPDIGENGL  
 VTYNIVDGDGMESFEITTDYETQEGVIKLPVDFETKRAYSLKVEAANVHIDPKFISNGPFKDTVTVKIAV  
 EDADEPPMFLAPSYIHEVQENAAAGTVVGRVHAKDPDAANSPIRYSIDRHTDLDRFFTINPEDGFIKTT  
 KPLDREETAWLNITVFAAEIHNRHQEAKVPVAVLDVNDNAPKFAAPYEGFICESDQTKPLSNQPIVTISA  
 DDKDDTANGPRFIFSLPPEIIHNPNTVRDNRDNTAGVYARRGGFSRQKQDLYLLPIVISDGGIPPMSSSTN  
 TLTIKVCVCGDVNGALLSCNAEAYILNAG LSTVDHHHHHH

**Background**

Cadherin-11 is a type II classical cadherin member of the cadherin superfamily of integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Cadherins interact with themselves in a homophilic manner in connecting cells, and thus contribute to the sorting of heterogeneous cell types. Cadherin-11 contains five cadherin domains and is mainly expressed in the brain. Mature cadherin proteins consist of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small highly conserved C-terminal cytoplasmic domain. It is shown that Cadherin-11 is a viable molecular target for therapeutic intervention in Glioblastoma multiforme.

