

Recombinant Full Length Human CDH11 Protein, Flag-tagged

Cat. No. CDH11-13HCL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human cadherin 11, type 2, OB-cadherin (osteoblast) (CDH11) with a Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293
Description	This gene encodes a type II classical cadherin from the cadherin superfamily, integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Mature cadherin proteins are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small, highly conserved C-terminal cytoplasmic domain. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. Expression of this particular cadherin in osteoblastic cell lines, and its upregulation during differentiation, suggests a specific function in bone development and maintenance.
Molecular Mass	85.5 kDa
AA Sequence	MKENYCLQAALVCLGMLCHSHAFAPERRGHLRPSFHGHHEKKGQVLQRSKRG WVWNQFFVIEEYTGPDVPLVGR LHSDIDSGDGNIKYILSGEGAGTIFVIDDKSGNIHA TKTL DREERAQYTLMAQAVDRDTNRPLEPPSEFIVKVQDINDNPPEFLHETYHANVP ERSNVGTSVIQVTASDADDPTYGNSAKLVYSILEGQPYFSVEAQTGIIRTALPNMDRE AKEEYHVVIQAKDMGGHMGGLSGTTKVMITLTDVNDNPPKFPQSVYQMSVSEAAVP GEEVGRVKAKDPDIGENGLVTYNIVDGDGMESFEITTDYETQEGVIKLLKPPVDFETK

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RAYSLKVEAANVHIDPKFISNGPFKDTVTVKIAVEDADEPPMFLAPSYIHEVQENAAA
 GTVVGRVHAKDPDAANSPIRYSIDRHTDLDRFFTINPEDGFIKTTKPLDREETAWLNI
 TVFAAEIHNHRHQEAKVPVAIRVLDVNDNAPKFAAPYEGFICESDQTKPLSNQPIVTISA
 DDKDDTANGPRFIFSLPPEIIHNPNTVRDNRDNTAGVYARRGGFSRQKQDLYLLPIV
 ISDGGIPMSSTNTLTIKVCGCDVNGALLSCNAEAYILNAGLSTGALIAILACIVILLVIVV
 LFTVLRQKKEPLIVFEEEDVRENIITYDDEGGGEEDTEAFDIATLQNPDGINGFIPRK
 DIKPEYQYMPRPGLRPAPNSVDVDDFINTRIQEADNDPTAPPYDSIQIYGYEGRGSV
 AGSLSSLESATTDSDLDYDYLQNWGPRFKKLADLYGSKDTFDDDSTRTRPLEQKLIS
 EEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining.

Notes For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Stability Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade.

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

GENE INFORMATION

Gene Name CDH11 cadherin 11 [Homo sapiens (human)]

Official Symbol CDH11

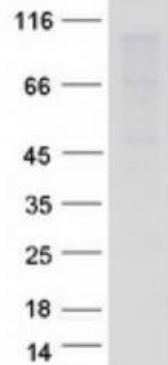
Synonyms CDH11; cadherin 11; OB; ESWS; CAD11; CDHOB; OSF-4; TBHS2; cadherin-11;

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cadherin 11, type 2, OB-cadherin (osteoblast)

Gene ID 1009**mRNA Refseq** NM_001797**Protein Refseq** NP_001788**MIM** 600023**UniProt ID** P55287**SDS-PAGE**

Coomassie blue staining of purified CDH11 protein. The protein was produced from HEK293T cells transfected with CDH11 cDNA clone using MegaTran 2.0.

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