

Recombinant Human CDH11 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CDH11-766H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CDH11 MS Standard C13 and N15-labeled recombinant protein (NP_001788) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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	88 kDa
AA Sequence	MKENYCLQAALVCLGMLCHSHAFAPERRGHLRPSFHGHHEKGKEGQVLQRSKRG WVWNQFFVIEEYTGPDVPLVGRLHSDIDSGDGNIKYILSGEGAGTIFIDDKSGNIHA TKTLDREERAQYTLMAQAVDRDTNRPLEPPSEFIVKVQDINDNPPEFLHETYHANVP ERSNVGTSVIQVTASDADDPTYGNSAKLVYSILEGQPYFSVEAQTGIIRTALPNMDRE AKEEYHVVIQAKDMGGHMGGLSGTTKVMITLTDVNDNPPKFPQSVYQMSVSEAAMP

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GEEVGRVKAKDPDIGENGLVTYNIVDGDGMESFEITTDYETQEGVIKLLKKPVDFETK
 RAYSLKVEAANVHIDPKFISNGPFKDTVTVKIAVEDADEPPMFLAPSYIHEVQENAAA
 GTVVGRVHAKDPDAANSPIRYSIDRHTDLDRFFTINPEDGFIKTTKPLDREETAWLNI
 TVFAAEIHNHRHQEAKVPVAIRVLDVNDNAPKFAAPYEGFICESDQTKPLSNQPIVTISA
 DDKDDTANGPRFIFSLPPEIIHNPNTVRDNRDNTAGVYARRGGFSRQKQDLYLLPIV
 ISDGGIPPMSSNTLTIKVCGCDVNGALLSCNAEAYILNAGLSTGALIAILACIVILLVIVV
 LFVTLRRQKKEPLIVFEEEDVRENIITYDDEGGGEEDTEAFDIATLQNPDGINGFIPRK
 DIKPEYQYMPRPGLRPAPNSVDVDDFINTRIQEADNDPTAPPYDSIQIYGYEGRGSV
 AGSLSSLESATTDSDLDYDYLQNWGPRFKKLADLYGSKDTFDDSTRTRPLEQKLIS
 EEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol CDH11

Synonyms CDH11; cadherin 11, type 2, OB-cadherin (osteoblast); cadherin-11; CAD11; OB; OB Cadherin; CDHOB; OSF-4;

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