

Recombinant Human CDH11, His-tagged

Cat. No. CDH11-7527H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant human CDH11 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 54-617aa |
| Antigen Description | CDH11, also known as cadherin 11, is a member of the cadherin superfamily, integral membrane proteins that mediate calcium-dependent cell-cell adhesion. This protein is 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. |
| Form | Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl |
| Molecular Mass | 66.2 kDa(601aa) |
| AA Sequence | MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMGWV WNQFFVIEEY TGPDPVLVGR LHSDIDSGDG NIKYILSGEG AGTIFVIDDK SGNIHATKTL DREERAQYTL MAQAVDRDTN RPLEPPSEFI VKVQDINDNP PEFLHETYHA NVPERSNVGT SVIQVTASDA DDPTYGNSAK LVYSILEGQP YFSVEAQTGI IRTALPNMDR EAKEEYHVVI QAKDMGGHMG GLSGTTKVMI TLTDVNDNPP |

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KFPQSVYQMS VSEAAVPGEE VGRVKAKDPD IGENGLVTYN IVDGDGMESF
 EITTDYETQE GVIKLLKPPVD FETKRAYSLK VEAANVHIDP KFISNGPFDK
 TVTVKIAVED ADEPPMFLAP SYIHEVQENA AAGTVVGRVH AKDPDAANSP
 IRYSIDRHTD LDRFFTINPE DGFIKTTKPL DREETAWLNI TVFAAEIHNR
 HQEAKVPVAI RVLVDVNDNAP KFAAPYEGFI CESDQTKPLS NQPIVTISAD
 DKDDTANGPR FIFSLPPEII HNPNTVRDN RDNTAGVYAR RGGFSRQKQD
 LYLLPIVISD GGIPPMSSSTN TLTIKVCGCD VNGALLSCNA EAYILNAGLS T

Purity >85% as determined by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml

GENE INFORMATION

Gene Name [CDH11 cadherin 11, type 2, OB-cadherin \(osteoblast\) \[Homo sapiens \]](#)

Official Symbol CDH11

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

Gene ID [1009](#)

mRNA Refseq [NM_001797](#)

Protein Refseq [NP_001788](#)

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| MIM | 600023 |
| UniProt ID | P55287 |
| Chromosome Location | 16q21 |
| Pathway | Adherens junctions interactions, organism-specific biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-cell junction organization, organism-specific biosystem; |
| Function | calcium ion binding; |

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