

CDH11 (Human) Recombinant protein

Catalog # P9113

Size 2 x 10 ug

Specification

Product Description Human CDH11 (P55287, 54 a.a. - 617 a.a) partial recombinant protein with His-tag at N-terminal expressed in *Escherichia Coli*.

Sequence MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMGWV WNQFFVIEEY TGPDPVLVG R LHSDIDSGDG NIKYILSGEG AGTIFVIDDK SGNIHATKTL DREERAQYTL MAQAVDRDTN RPLE PPSEFI VKVQDINDNP PEFLHETYHA NVPERSNVGT SVIQVTASDA DDPTYGNSAK LVYSILEG QP YFSVEAQTGI IRTALPNMDR EAKEEYHVVI QAKDMGGHMG GLSGTTKVM I TLTDVNDNPP K FPQSVYQMS VSEAAVPGEE VGRVKAKDPD IGENGLVTYN MDGDGMESF EITTDYETQE GVIK LKKPVD FETKRAYSLK VEAANVHIDP KFSINGPFKD TVTVKIAVED ADEPPMFLAP SYIHEVQE NA AAGTVVGRVH AKDPDAANSP IRYSIDRHTD LDRFFTINPE DGFIKTTKPL DREETAWLNI TVF AAEIHNR HQEAKVPVAI RVLDVNDNAP KFAAPYEGFI CESDQTKPLS NQPIVTISAD DKDDTAN GPR FIFSLPPEII HNPNTVRDN RDNTAGVYAR RGGFSRQKQD LYLLPVISD GGIPPMSSSTN TLTIKVC GCD VNGALLSCNA EAYILNAGLS T.

Host Escherichia coli

Theoretical MW (kDa) 66.2

Form Liquid

Preparation Method *Escherichia coli* expression system

Purity > 85% by SDS-PAGE.

Storage Buffer In 20mM Tris-HCl buffer, pH 8.0, 0.1M NaCl and 10% glycerol.

Storage Instruction Store at 4°C for 2~4 week. For long term storage store at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — CDH11

Entrez GeneID [1009](#)

Protein Accession# [P55287](#)

Gene Name CDH11

Gene Alias CAD11, CDHOB, OB, OSF-4

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

Omim ID [600023](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OB-cadherin|cadherin 11, type 2|cadherin-11|osteoblast cadherin

Disease

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