

Recombinant Human CDH11, His-tagged

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

SPECIFICATION

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 GLSGTTKVM I TLTDVNDNPP

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KFPQSVYQMS VSEAAVPGEE VGRVKAKDPD IGENGLVTYN IVDGDGMESF
 EITTDYETQE GVIKLLKPVD FETKRAYSLK VEAANVHIDP KFISNGPFDK
 TVTVKIAVED ADEPPMFLAP SYIHEVQENA AAGTVVGRVH AKDPDAANSP
 IRYSIDRHTD LDRFFTINPE DGFIKTTKPL DREETAWLNI TVFAAEIHNR
 HQEAKVPVAI RVLDVNDNAP KFAAPYEGFI CESDQTKPLS NQPIVTISAD
 DKDDTANGPR FIFSLPPEII HNPNTVVRDN RDNTAGVYAR RGGFSRQKQD
 LYLPIVISD GGIPPMSSSTN TLTIKVCDCD 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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