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# Recombinant human OB-Cadherin/CDH11 protein

Catalog Number: ATGP1971

## PRODUCT INFORMATION

# **Expression system**

E.coli

### **Domain**

54-617aa

#### UniProt No.

096CZ9

### **NCBI Accession No.**

AAH13609.1

## **Alternative Names**

Cadherin 11 type 2, CAD11, CDHOB, OB, OSF-4, OB-cadherin (Osteoblast)

# PRODUCT SPECIFICATION

## **Molecular Weight**

66.2 kDa (601aa)

### Concentration

1mg/ml (determined by Bradford assay)

### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl

### **Purity**

> 85% by SDS-PAGE

## Tag

His-Tag

## **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## **BACKGROUND**

## **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. Recombinant human CDH11 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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## **Amino acid Sequence**

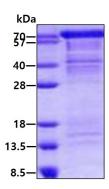
<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSM>GWV WNQFFVIEEY TGPDPVLVGR LHSDIDSGDG NIKYILSGEG AGTIFVIDDK SGNIHATKTL DREERAQYTL MAQAVDRDTN RPLEPPSEFI VKVQDINDNP PEFLHETYHA NVPERSNVGT SVIQVTASDA DDPTYGNSAK LVYSILEGQP YFSVEAQTGI IRTALPNMDR EAKEEYHVVI QAKDMGGHMG GLSGTTKVMI TLTDVNDNPP KFPQSVYQMS VSEAAVPGEE VGRVKAKDPD IGENGLVTYN IVDGDGMESF EITTDYETQE GVIKLKKPVD FETKRAYSLK VEAANVHIDP KFISNGPFKD TVTVKIAVED ADEPPMFLAP SYIHEVQENA AAGTVVGRVH AKDPDAANSP IRYSIDRHTD LDRFFTINPE DGFIKTTKPL DREETAWLNI TVFAAEIHNR HQEAKVPVAI RVLDVNDNAP KFAAPYEGFI CESDQTKPLS NQPIVTISAD DKDDTANGPR FIFSLPPEII HNPNFTVRDN RDNTAGVYAR RGGFSRQKQD LYLLPIVISD GGIPPMSSTN TLTIKVCGCD VNGALLSCNA EAYILNAGLS T

### **General References**

Pishvaian MJ. et al. (1999) Cancer Res. 59:947-952. Suzuki S. et al. (1991) Cell Regul. 2:261-270.

# **DATA**

### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

