

Recombinant human OB-Cadherin/CDH11 protein

Catalog Number: ATGP1971

PRODUCT INFORMATION

Expression system

E.coli

Domain

54-617aa

UniProt No.

Q96CZ9

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 GMASMTGGGQ MGRDLYDDDD KDRWGSM>GWV WNQFFVIEEY TGPDPVLVGR LHSIDDSGDG
NIKYILSGEG AGTIFVIDDK SGNIHATKTL DREERAQYTL MAQAVDRDTN RPLEPPSEFI VKVQDINDNP PEFLHETYHA
NVPERSNVGT SVIQVTASDA DDPTYGNSAK LVYSILEGQP YFSVEAQTGI IRTALPNMDR EAKEEYHVVI QAKDMGGHMG
GLSGTTKVM I TLTDVNDNPP KFPQSVYQMS VSEAAVPGEE VGRVKAKDPD IGENGLVTYN IVDGDGMESF EITTDYETQE
GVIKLKKPVD FETKRAYSLK VEAANVHIDP KFSINGPFKD TVTVKIAVED ADEPPMFLAP SYIHEVQENA AAGTVVGRVH
AKDPDAANSP IRYSIDRHTD LDRFFTINPE DGFIKTTKPL DREETAWLNI TVFAAEIHNR HQEAKVPVAI RVLDVNDNAP
KFAAPYEGFI CESDQTKPLS NQPIVTISAD DKDDTANGPR FIFSLPPEII HNPNTVRDN RDNTAGVYAR RGGFSRQKQD
LYLLPIVISD GGIPPMSSSTN TLTIKVCGCD VNGALLSCNA EAYILNAGLS T

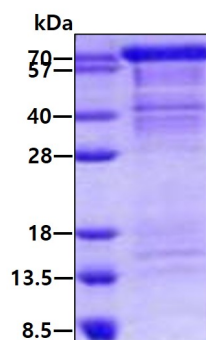
General References

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.