

## CDH11 Human

**Description:**CDH11 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 601 amino acids (54-617 a.a) and having a molecular mass of 66.2kDa. CDH11 is fused to a 37 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:PRPS-1375

For research use only.

**Synonyms:**CAD11, CDHOB, OB, OSF-4, Cadherin 11, Osteoblast cadherin, OB-cadherin.

**Source:**E.coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMGWV  
WNQFFVIEEY TGPDPVLVGR LHSIDISGDG NIKYILSGEG AGTIFVIDDK SGNIHATKTL  
DREERAQYTL MAQAVDRDTN RPLEPPSEFI VKVQDINDNP PEFLHETYHA NVPERSNVGT  
SVIQVTASDA DDPTYGNSAK LVYSILEGQP YFSVEAQTGI IRTALPNMDR EAKEEYHVVI  
QAKDMGGHMG GL

**Purity:**Greater than 85% as determined by SDS-PAGE.

**Formulation:**

CDH11 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Cadherin 11 (CDH11) belongs to the cadherin superfamily (integral membrane proteins) which mediate calcium-dependent cell-cell adhesion. CDH11 is defined based on lacking a HAV cell adhesion recognition sequence specific to type I cadherins. CDH11 proteins expression in osteoblastic cell lines, and its upregulation during differentiation, suggests a specific function in bone development and maintenance. CDH11 contributes to the sorting of heterogeneous cell types.

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