

HUMAN CDH11(23-617) PROTEIN, HIS TAG**Cat.#:** 11835**Product Name:** Human CDH11(23-617) Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** CAD11;CDHOB;ESWS;OB;OSF-4**Target:** CDH11**UNIPROT ID:** P55287**Description:** Recombinant Human CDH11(23-617) Protein with C-terminal 6xHis tag

Background: 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, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 66.4 kDa after removal of the signal peptide. The apparent molecular mass of CDH11(23-617)-His is approximately 70-100 kDa due to glycosylation.

Molecular Characterization: CDH11(23-617)(Phe23-Thr617) 6×His tag

Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



Figure 1. Human CDH11(23-617) Protein, His Tag on SDS-PAGE under reducing condition.