HUMAN CDH11(54-617) PROTEIN, HIS TAG

Cat.#: 11834

Product Name: Human CDH11(54-617) 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(54-617) 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 62.8 kDa after removal of the signal peptide. The apparent molecular mass of CDH11(54-617)-His is approximately 70-100 kDa due to glycosylation.

Molecular Characterization: CDH11(54-617)(Gly54-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.

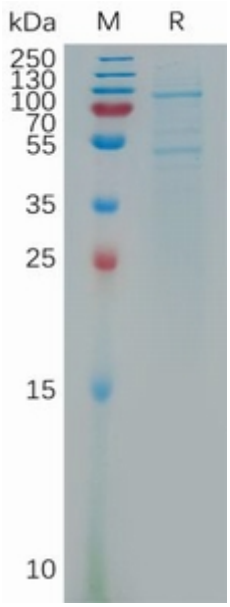

Figure 1. Human CDH11(54-617) Protein, His Tag on SDS-PAGE under reducing condition.