

## Product datasheet for **TP720754L**

### OB Cadherin (CDH11) (NM\_001797) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human cadherin 11, type 2, OB-cadherin (osteoblast) (CDH11)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Phe23-Thr617
Tag:	C-6His
Predicted MW:	66.63 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH <sub>2</sub> O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001788</a>
Locus ID:	1009
UniProt ID:	<a href="#">P55287</a>
RefSeq Size:	3654
Cytogenetics:	16q21
RefSeq ORF:	2388
Synonyms:	CAD11; CDHOB; ESWS; OB; OSF-4



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**Summary:**

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]

**Protein Families:**

Druggable Genome, Transmembrane