

## Product datasheet for **TP303810M**

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cadherin 11, type 2, OB-cadherin (osteoblast) (CDH11), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC203810 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MKENYCLQAALVCLGMLCHSHAFAPERRGHLRPSFHGHHEKGKEGQVLQRSKRGWVWNQFFVIEEYTGPD  
PVLVGRHLHSDIDSGDGNIKYILSGEGAGTIFVIDDKSGNIHATKTLDRERAQYTLMAQAVDRDTNRPLE  
PPSEFIVKVQDINDNPPEFLHETYHANVPERSNVGTSVIQVTASDADDPTYGNSAKLVYSILEGQPYFSV  
EAQTGIIRTALPNMDREAKEYHVVIQAKDMGGHMGGLSGTTKVMITLTDVNDNPPKFPQSVYQMSVSEA  
AVPGEEVGRVKAKDPDIGENGLVTYNIVDGDGMESFEITTDYETQEGVIKLLKPPVDFETKRAYSLKVEAA  
NVHIDPKFISNGPFKDTVTVKIAVEDADEPPMFLAPSYIHEVQENAAAGTVVGRVHAKDPDAANSPIRYS  
IDRHTDLDRFFTINPEDGFIKTTKPLDREETAWLNITVFAAEIHNHRHQEAKVPVAIRVLDVNDNAPKFAA  
PYEGFICESDQTKPLSNQPIVTISADDKDDTANGPRFISLPPEIHNPNFTVRDNRDNTAGVYARRGGF  
SRQKQDLYLLPIVISDGGIPPMSSNTLTIKVCGCDVNGALLSCNAEAYILNAGLSTGALIAILACIVIL  
LVIVVLFVTLRRQKKEPLIVFEEEDVRENIITYDDEGGGEEDTEAFDIATLQNPDGINGFIPRKDIKPEY  
QYMPRPGLRPAPNSVDVDDFINTRIQEADNDPTAPPYDSIQIYGVEGRGSVAGSLSSLESATTDSLDLYD  
YLQNWGPRFKKLADLYGSKDTFDDDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

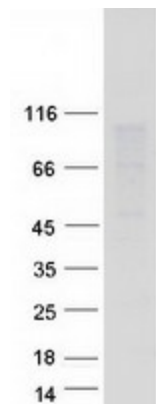
Tag:	C-Myc/DDK
Predicted MW:	85.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001788</a>
<b>Locus ID:</b>	1009
<b>UniProt ID:</b>	<a href="#">P55287</a>
<b>RefSeq Size:</b>	3654
<b>Cytogenetics:</b>	16q21
<b>RefSeq ORF:</b>	2388
<b>Synonyms:</b>	CAD11; CDHOB; ESWS; OB; OSF-4
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Transmembrane

### Product images:



Coomassie blue staining of purified CDH11 protein (Cat# [TP303810]). The protein was produced from HEK293T cells transfected with CDH11 cDNA clone (Cat# [RC203810]) using MegaTran 2.0 (Cat# [TT210002]).