

Product datasheet for TP303810

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), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC203810 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MKENYCLQAALVCLGMLCHSHAFAPERRGHLRPSFHGHHEKGKEGQVLQRSKRGWVWNQFFVIEEYTGPD
PVLVGRHLHSDIDSGDGNIKYILSGEGAGTIFVIDDKSGNIHATKTLREERAQYTLMAQAVDRDTNRPLE
PPSEFIVKVQDINDNPPEFLHETYHANVPERSNVGTSVIQVTASDADDPTYGNSAKLVYSILEGQPYFSV
EAQTGIIRTALPNMDREAKEYHVVIQAKDMGGHMGGLSGTTKVMITLTDVNDNPPKFPQSVYQMSVSEA
AVPGEEVGRVKAKDPDIGENGLVTYNIVDGDGMESFEITTDYETQEGVIKLLKPPVDFETKRAYSLKVEAA
NVHIDPKFISNGPFKDTVTVKIAVEDADEPPMFLAPSYIHEVQENAAAGTVVGRVHAKDPDAANSPIRYS
IDRHTDLDRFFTINPEDGFIKTTKPLDREETAWLNITVFAAEIHNHRHQEAKVPVAIRVLDVNDNAPKFAA
PYEGFICESDQTKPLSNQPIVTISADDKDDTANGPRFISLPPEIHNPNFTVRDNRDNTAGVYARRGGF
SRQKQDLYLLPIVISDGGIPPMSSNTLTIKVCGCDVNGALLSCNAEAYILNAGLSTGALIAILACIVIL
LVIVVLFVTLRRQKKEPLIVFEEEDVRENIITYDDEGGGEEDTEAFDIATLQNPDGINGFIPRKDIKPEY
QYMPRPGLRPAPNSVDVDDFINTRIQEADNDPTAPPYDSIQIYGYEGRGSVAGSLSSLESATTDSLDLYD
YLQNWGPRFKKLADLYGSKDTFDDDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

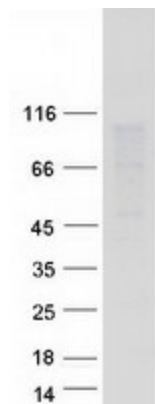
Tag:	C-Myc/DDK
Predicted MW:	85.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001788
Locus ID:	1009
UniProt ID:	P55287
RefSeq Size:	3654
Cytogenetics:	16q21
RefSeq ORF:	2388
Synonyms:	CAD11; CDHOB; ESWS; OB; OSF-4
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

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]).