

Product datasheet for PH303810

OB Cadherin (CDH11) (NM_001797) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CDH11 MS Standard C13 and N15-labeled recombinant protein (NP_001788)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203810
Predicted MW:	88 kDa
Protein Sequence:	>RC203810 protein sequence Red=Cloning site Green=Tags(s)

MKENYCLQAALVCLGMLCHSHAFAPERRGHLRPSFHGHHEKGEQVLQRSKRGWVWNQFFVIEEYTGPD
PVLVGRHLHSDIDSGDGNIKYILSGEGAGTIFVIDDKSGNIHATKTLDREERAQYTLMAQAVDRDTNRPLE
PPSEFIVKVQDINDNPPEFLHETYHANVPERSNVGTSVIQVTASDADDPTYGNSAKLVYSILEGQPYFSV
EAQTGIIRTALPNMDREAKEEYHVVIQAKDMGGHMGGLSGTTKVMITLTDVNDNPPKFPQSVYQMSVSEA
AVPGEEVGRVKAKDPDIGENGLVTYNIVDGDMESFEITTDYETQEGVIKLLKPPVDFETKRAYSLKVEAA
NVHIDPKFISNGPFKDTVTVKIAVEDADEPPMFLAPSYIHEVQENAAAGTVVGRVHAKDPDAANSPIRYS
IDRHTDLDRFFTINPEDGFIKTTKPLDREETAWLNITVFAAEIHNHRHQEAKVPVAIRVLDVNDNAPKFAA
PYEGFICESDQTKPLSNQPIVTISADDKDDTANGPRFIFSLPPEIIHNPNFTVRDNRDNTAGVYARRGGF
SRQKQDLYLLPIVISDGGIPMSSTNTLTIKVCGCDVNGALLSCNAEAYILNAGLSTGALAILACIVIL
LVIVVLFVTLRRQKKEPLIVFEEEDVRENIITYDDEGGGEEDTEAFDIATLQNPDPGNGFIPRKDIKPEY
QYMPRPGLRPAPNSVDVDDFINTRIQEADNDPTAPPYDSIQIYGYEGRGSVAGSLSSLESATDSDLDYD
YLQNWGPRFKKLADLYGSKDTFDDDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001788</u>



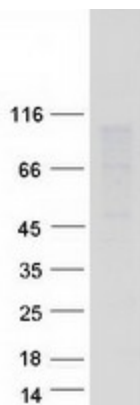
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RefSeq Size:	3654
RefSeq ORF:	2388
Synonyms:	CAD11; CDHOB; ESWS; OB; OSF-4
Locus ID:	1009
UniProt ID:	P55287
Cytogenetics:	16q21

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]).