

HuPro®

CDH11 (Human) Recombinant Protein

Catalog # H00001009-H02

Size 25 ug

Specification

Product Description	Purified CDH11 (NP_001788.2 54 a.a. - 617 a.a.) human recombinant protein with His-Flag-StrepII tag at N-terminus expressed in human cells.
Transfected Cell Line	Human HEK293H cells
Sequence	GWVWNQFFVIEEYTGPDPLVGR LHSDIDSGDGNIKYILSGEGAGTIFVDDKSGNIHATKTL DREE RAQYTLMAQAVDRD TNRPLEPPSEFIVKVQDINDNPPEFLHETYHANVPERSNVGTSVIQVTASDA DDPTYGNSAKLVYSILEGQPYFSVEAQTGIIR TALPNMDREAKEEYHVVIQAKDMGGHMGGLSGTT KVTITLTDVNDNPPKFPQSVYQMSVSEAAVPGEEVGRVKAKDPDIGENGLVTYNVDGDGMESFE ITDYETQEGVIK LKPKVDFETKRAYSLKVEAANVHIDPKFISNGPFDKDTVTVKISVEDADEPPMFL APSYIHEVQENAAAGTVVGRVHAKDPDAANSPIRYSIDRHTDLDRFFTINPEDGFIKTTKPLDREET AWLNITVFAAEIHN RHQEAKVPVAIRVLDVNDNAPKFAAPYEGFICESDQTKPLSNQPMVTISADDK DDTANGPRFIFSLPPEIIHNPNFTVRDNRDNTAGVYARRGGFSRQKQDLYLLPMVSDGGIPPMSSSTN TLTIKVC GCDVNGALLSCNAEAYILNAGLST
Host	Human
Theoretical MW (kDa)	67.31999999999999
Interspecies Antigen Sequence	Mouse (97); Rat (98)
Form	Liquid
Preparation Method	Transfection of pSuper-CDH11 plasmid into HEK293H cell, and the expressed protein was purified by <i>Strep</i> -Tactin affinity column.
Purification	<i>Strep</i> -Tactin affinity columns
Concentration	≥ 10 ug/ml
Storage Buffer	100 mM Tris-HCl pH 8.0, 150 mM NaCl, 1 mM EDTA, and 5 mM desthiobiotin.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay
- SDS-PAGE
- Protein Interaction

Gene Info — CDH11

Entrez GeneID [1009](#)

GeneBank Accession# [NM_001797.2](#)

Protein Accession# [NP_001788.2](#)

Gene Name CDH11

Gene Alias CAD11, CDHOB, OB, OSF-4

Gene Description cadherin 11, type 2, OB-cadherin (osteoblast)

Omim ID [600023](#)

Gene Ontology [Hyperlink](#)

Gene 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]

Other Designations OB-cadherin|cadherin 11, type 2|cadherin-11|osteoblast cadherin

Disease

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