

Recombinant Full Length Human CDH12 Protein, GST-tagged

Cat. No. CDH12-3136HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDH12 full-length ORF (NP_004052.2, 1 a.a. - 794 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	794 amino acids
Description	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]
Molecular Mass	114.7 kDa
AA Sequence	MLTRNCLSLLLWVLFDDGGLLTPLQPQPQQTALTEPRENVHLPGQRSHFQRVKRGW VWNQFFVLEEYVGSEPPYVGKLHSDLDKGEGTVKYTLSGDGAGTVFTIDETTGDIH AIRSLDREEKPFYTLRAQAVDIETRKPLEPESEFIKVDINDNEPKFLDGPYVATVPE MSPVGAYVLQVKATDADDPTYGNSARVVYSILQGQPYFSIDPKTGVIRTUALPNMDRE

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VKEQYQVLIQAKDMGGQLGGLAGTTIVNITLTDVNDNPPRFPKSIFHLKVPESPIGS
 AIGRIRAVDPDFGQNAEIEYNIVPGDGGNLFDIVTDEDTQEGVIKLLKPLDFETKKAYT
 FKVEASNLHLDHRFHSAGPFKDTATVKISVLDVDEPPVFSKPLYTMEVYEDTPVGTII
 GAVTAQDLVDVGSSAVRYFIDWKS DGSDSYFTIDGNEG TIATNELL DRESTAQYNFSIIA
 SKVSNPLLT SKVNILINVL DVNEFPPEISVPYETAVCENAKPGQIIQIVSAADRDLSPAG
 QQFSFRLSPEAAIKPNFTVRDFRNN TAGIETRRNGYSRRQQELYFLPVVIEDSSYPV
 QSSTNTMTIRVCRCDSDGTILSCNVEAIFLPVGLSTGALIAILLCIVILLAIVVLYVALRR
 QKKKDTLMTSKEDIRD NVIHYDDEGGGEEDTQAFDIGALRNPKVIEENKIRRD IKPDS
 LCLPRQRPPMEDNTDIRDFIHQRLQENDVDPTAPPYDSLATYAYEGSGSVAESLSSI
 DSLTTEADQDYDYLTDWGP RFKVLADMFGEEESYNPDKVT

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CDH12 cadherin 12, type 2 (N-cadherin 2) [Homo sapiens]

Official Symbol

CDH12

Synonyms

CDH12; cadherin 12, type 2 (N-cadherin 2); cadherin-12; Br cadherin; CDHB; Br-cadherin; N-cadherin 2; brain cadherin; brain-cadherin; neuronal cadherin 2; neural type cadherin 2; cadherin, neural type, 2; FLJ34857;

Gene ID

1010

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mRNA Refseq	NM_004061
Protein Refseq	NP_004052
MIM	600562
UniProt ID	P55289

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