

Recombinant Human CDH12 Protein, GST-Tagged

Cat. No. CDH12-0973H 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	Wheat Germ
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	MLTRNCLSLLLWVLFDGGLLTPLQPQPQQLATEPRENVIHLPGQRSHFQRVKRGW VWNQFFVLEEYVGSEPPQYVGKLSLDLKGEGTVKYTLSGDGAGTVFTIDETGDIH AIRSLDREKPFYTLRAQAVDIETRKPLEPESEFIIKVQDINDNEPKFLDGPYVATVPE MSPVGAYVLQVKATDADDPTYGNSARVVYSILQQQPYFSIDPKTGVIRTUALPNMDRE VKEQYQVLIQAKDMGGQLGGLAGTTIVNITLTDVNDNPPRFPKSIFHLKVPESPIGS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AIGRIRAVDPDFGQNAEIEYNIVPGDGGNLFDIVTDEDTQEGVIKLLKPLDFETKKAYT
 FKVEASNLHLDHRFHSAGPFKDTATVKISVLDVDEPPVFSKPLYTMEVYEDTPVGTII
 GAVTAQDLVDVGSSAVRYFIDWKS DGDSYFTIDGNEG TIATNELL DRESTAQYNFSIIA
 SKVSNPLLT SKVNILINVL DVNEFPPEISVPYETAVCENAKPGQIIQIVSAADRDLSPAG
 QQFSFRLSPEAAIKPNFTVRDFRNNTAGIETRRNGYSRRQQELYFLPVVIEDSSYPV
 QSSTNTMTIRVCRCDSDGTILSCNVEAIFLPVGLSTGALIAILLCIVILLAIVVLYVALRR
 QKKKDTLMTSKEDIRDNVIHYDDEGGGEEDTQAFDIGALRNPKVIEENKIRRDIPDS
 LCLPRQRPPMEDNTDIRDFIQRLQENDVDPTAPPYDSLATYAYEGSGSVAESLSSI
 DSLTTEADQDYDYLTDWGPFRFKVLADMFGEEESYNPDKVT

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



mRNA Refseq	NM_004061
Protein Refseq	NP_004052
MIM	600562
UniProt ID	P55289

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA