

Recombinant Human CTNNB1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CTNNB1-1327H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CTNNB1 MS Standard C13 and N15-labeled recombinant protein (NP_001895) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also anchors the actin cytoskeleton and may be responsible for transmitting the contact inhibition signal that causes cells to stop dividing once the epithelial sheet is complete. Finally, this protein binds to the product of the APC gene, which is mutated in adenomatous polyposis of the colon. Mutations in this gene are a cause of colorectal cancer (CRC), pilomatrixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Alternative splicing results in multiple transcript variants.
Molecular Mass	85.3 kDa
AA Sequence	MATQADLMELDMAMEPDRKAAVSHWQQQSYLDSGIHSGATTTAPSLSGKGNPEEE DVDTSQVLYEWEQGFSQSFTQEQVADIDGQYAMTRAQVRVRAAMFPETLDEGMQIP STQFDAAHPTNVQRLAEP SQMLKHAVVNLINYQDDAELATRAIPELT KLLNDEDQVV VNKAAVMVHQLSKKEASRHAIMRSPQM VSAIVRTMQNTNDVETARCTAGTLHNLSH

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HREGLLAIFKSGGIPALVKMLGSPVDSVLFYAITTLHNLLHQEGAKMAVRLAGGLQK
 MVALLNKTNVKFLAITTDCLQILAYGNQESKLIILASGGPQALVNIMRTYTYEKLLWTT
 SRVLKVLVSCSSNKPAIVEAGGMQALGLHLTDPSQRLVQNCLWTLRNLSDAATKQE
 GMEGLLGTLLVQLLGSDDINVVCAAGILSNLTCNNYKNKMMVCQVGGIEALVRTVLR
 AGDREDITEPAICALRHLSRHQEAEMAQNAVRLHYGLPVVVKLLHPPSHWPLIKAT
 VGLIRNLALCPANHAPLREQGAIPRLVQLLVRAHQDTQRRTSMGGTQQQFVEGV
 RMEEIVEGCTGALHILARDVHNRIVIRGLNTIPLFVQLLYSPIENIQRVAAGVLC
 ELAQDKEAAEAIEAEGATAPLTELHLSRNEG VATYAAAVLFRMS
 EDKPPQDYKKRLSVELTSSLFRT
 EPMAWN
 ETADLGLDIGAQGEPLGYRQDDPSYRSFHSGGYGQDALGMDP
 MMEHEMGGHHPGADYPVDGLPDLGHAQDLMDGLPPGDSNQLAWFDTDLTRTRPLEQKLI
 SEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CTNNB1 catenin beta 1 [Homo sapiens (human)]

Official Symbol CTNNB1

Synonyms CTNNB1; catenin (cadherin-associated protein), beta 1, 88kDa; catenin (cadherin associated protein), beta 1 (88kD), CTNNB; catenin beta-1; beta catenin; CTNNB;

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FLJ25606; FLJ37923; DKFZp686D02253;

Gene ID 1499

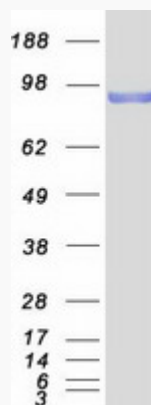
mRNA Refseq NM_001904

Protein Refseq NP_001895

MIM 116806

UniProt ID P35222

SDS-PAGE



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