

Recombinant Full Length Human CTNNB1 Protein, GST-tagged

Cat. No. CTNNB1-2317HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CTNNB1 full-length ORF (XP_001133675.1, 1 a.a. - 781 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	781 amino acids
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. [provided by RefSeq, Aug 2016]
Molecular Mass	111.9 kDa
AA Sequence	MATQADLMELDMAMEPDRKAAVSHWQQQSYLDSGIHSGATTAPSLSGKGNPEEE DVDTSQVLYEWEQGFSQSFTQEQVADIDGQYAMTRAQVRVRAAMFPETLDEGMQIP STQFDAAHPTNVQRLAEP SQMLKHAVVNLINYQDDAELATRAIPELT KLLNDEDQVV

 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

VNKAAMVHQLSKKEASRHAIMRSPQMVSIVRTMQNTNDVETARCTAGTLHNLSH
HREGLLAIFKSGGIPALVKMLGSPVDSVLFYAITTLHNLLHQEGAKMAVRLAGGLQK
MVALLNKTNVKFLAITTDCLQILAYGNQESKLIILASGGPQALVNIMRTYTYEKLLWTT
SRVLKVLSSVCSNKPAIVEAGGMQALGLHLTDPSQRLVQNCLWTLRNLSDAATKQE
GMEGLLGTLVQLLGSDDINVVTCAAGILSNLTCNNYKNKMMVCQVGGIEALVRTVLR
AGDREDITEPAICALRHLTSRHQEAEMAQNAVRLHYGLPVVVKLLHPPSHWPLIKAT
VGLIRNLALCPANHAPLREQGAIPRLVQLLVRAHQDTQRRTSMGGTQQQFVEGVVM
EEIVEGCTGALHILARDVHNRIVIRGLNTIPLFVQLLYSPIENIQRVAAGVLCELAQDKE
AAEAIEAEGATAPLTELHLSRNEGVATYAAAVLFRMSSEDKPQDYKKRLSVELTSSLF
RTEPMAWNETADLGLDIGAQGEPLGYRQDDPSYRSFHSGGYGQDALGMDPMMEH
EMGGHHPGADYPVDGLPDLGHAQDLMDGLPPGDSNQLAWFDTDL

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

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

CTNNB1 catenin (cadherin-associated protein), beta 1, 88kDa [Homo sapiens]

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_001098209**Protein Refseq** NP_001091679**MIM** 116806**UniProt ID** P35222 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