

Recombinant Human CTNNB1 Protein, GST-tagged

Cat. No. CTNNB1-2082H **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	Wheat Germ
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	MATQADLMELDMAMEPDRKAAVSHWQQQSYLDSGIHSGATTTAPSLSGKGNPEEE DVDTSQVLYEWEQGFSQSFTQEQVADIDGQYAMTRAQVRVRAAMFPETLDEGMQIP STQFDAAHPTNVQRLAEPQMLKHAVVNLINYQDDAELATRAIPELTKLLNDEDQVV VNKAAVMVHQLSKKEASRHAIMRSPQMVSAIVRTMQNTNDVETARCTAGTLHNLSH

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HREGLLAIFKSGGIPALVKMLGSPVDSVLFYAITTLHNLLHQEGAKMAVRLAGGLQK
 MVALLNKTNVKFLAITTDCLQILAYGNQESKLIILASGGPQALVNIMRTYTYEKLLWTT
 SRVLKVLVSVCSNKP AIVEAGGMQALGLHLTDPSQRLVQNCLWTLRNLSDAATKQE
 GMEGLLGT LVQLLGSDDINVVTCAAGILSNLTCNNYKNKMMVCQVGGIEALVRTVLR
 AGDREDITEPAICALRHLSRHQEAEMAQNAVRLHYGLPVVVKLLHPPSHWPLIKAT
 VGLIRNLALCPANHAPLREQGAIPRLVQLLVRAHQDTQRRTSMGGTQQQFVEGV RM
 EEIVEGCTGALHILARDVHNRIVIRGLNTIPLFVQLLYSPIENIQRVAAGVLC ELAQDKE
 AA EAIEAEGATAPL TELLHSRNEGVATYAAAVLFRMS EDPKQDYKKRLSVELTSSLF
 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

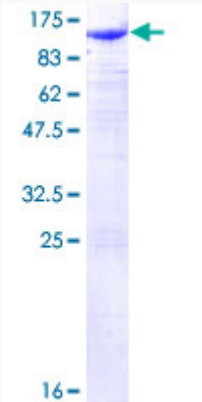
Synonyms

CTNNB1; catenin (cadherin-associated protein), beta 1, 88kDa; catenin (cadherin associated protein), beta 1 (88kD) , CTNNB; catenin beta-1; beta catenin; CTNNB; FLJ25606; FLJ37923; DKFZp686D02253;

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Gene ID	1499
mRNA Refseq	NM_001098209
Protein Refseq	NP_001091679
MIM	116806
UniProt ID	P35222
Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.