

## Recombinant Mouse CTNNB1 Protein

Catalog #	Source	Reactivity	Applications
CRP1384	Human cells	Mouse	E, WB, SDS-PAGE, MS

<b>Description</b>	Recombinant Mouse CTNNB1 Protein is produced by our mammalian expression system and the target gene encoding Met1-Leu781 is expressed with a 6His tag at the C-terminus.
<b>Form</b>	Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
<b>Gene Symbol</b>	CTNNB1
<b>Alternative Names</b>	CTNNB; Catenin beta-1; Beta-catenin
<b>Entrez Gene</b>	12387 (Mouse)
<b>SwissProt</b>	Q02248 (Mouse)
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Chemical Structure</b>	<p>MATQADLMEL DMAMEPDRKA AVSHWQQQSY LDSGIHSGAT TTAPSLSGKG</p> <p>NPEEEDVDTS QVLYEWEQGF SQSFTQEQVA DIDGQYAMTR AQRVRAAMFP</p> <p>ETLDEGMQIP STQFDAAHPT NVQRLAEPSQ MLKHAVVNLI NYQDDAELAT RAIPELTKLL</p> <p>NDEDQVVVNK AAVMVHQLSK KEASRHAIMR SPQMVSAIVR TMQNTNDVET</p> <p>ARCTAGTLHN LSHHREGLLA IFKSGGIPAL VKMLGSPVDS VLFYAITTLH NLLLHQEGAK</p> <p>MAVRLAGGLQ KMVALLNKTN VKFLAITTDC LQILAYGNQE SKLILASGG PQALVNIMRT</p> <p>YTYEKLLWTT SRVLKVLVSV SSKNPAIVEA GGMQALGLHL TDPSQRLVQN CLWTLRNLSD</p> <p>AATKQEGMEG LLGTLVQLLG SDDINVTCA AGILSNLTCN NYKNKMMVCQ VGGIEALVRT</p> <p>VLragdREDI TEPAICALRH LtsrhQEAEM AqnavRLHYG LPVVVKLLHP PSHWPLIKAT</p> <p>VGLIRNLALC PANHAPLREQ GAIPRLVQLL VRAHQDTQRR TSMGGTQQQF VEGVRMEEIV</p> <p>EGCTGALHIL ARDVHNRIVI RGLNTIPLFV QLLYSPIENI QRVAAGVLCE LAQDKEAAEA</p> <p>IEAEGATAPL TELLHSRNEG VATYAAAVLF RMSEDKPQDY KKRLSVELTS SLFRTEPMAW</p>

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

NETADLGLDI GAQGEALGYR QDDPSYRSFH SGGYGQDALG MDPMMEHEMG

GHHPGADYPV DGLPDLGHAQ DLMDGLPPGD SNQLAWFDTD LVDHHHHHHH

## Quality Control

Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.

## Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100  $\mu$ g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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