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Datasheet for ABIN7519742
CTNNB1 Protein (His tag)

Overview

Quantity:	100 µg
Target:	CTNNB1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CTNNB1 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human Catenin beta-1 Protein
Sequence:	<p>MATQADLMEL DMAMEPDRKA AVSHWQQQSY LDSGIHSGAT TTAPSLSGKG NPEEEDVDTS QVLYEWEQGF SQSFTQEQA DIDGQYAMTR AQRVRAAMFP ETLDEGMQIP STQFDAAHPT NVQRLAEPSQ MLKHAVVNL NYQDDAELAT RAPELTKLL NDEDQVVVVK AAVMVHQLSK KEASRHAIMR SPQMVSAIVR TMQNTNDVET ARCTAGTLHN LSHHREGLLA IFKSGGIPAL VKMLGSPVDS VLFYAITTLH NLLLHQEGAK MAVRLAGGLQ KMVALLNKTN VKFLAITTDC LQILAYGNQE SKLILASGG PQALVNIMRT YTYEKLLWTT SRVLKVLVSV SSKNKAIVEA GGMQALGLHL TDPSQRLVQN CLWTLRNLSD AATKQEGMEG LLGTLVQLLG SDDINVVTCA AGILSNLTCN NYKNKMMVCQ VGGIEALVRT VLRAGDREDI TEPAICALRH LTSRHQAEM AQNAVRLHYG LPVVVKLLHP PSHWPLIKAT VGLIRNLALC PANHAPLREQ GAIPRLVQLL VRAHQDTQRR TSMGGTQQQF VEGVRMEEIV EGCTGALHIL ARDVHNRIVI RGLNTIPLFV QLLYSPIENI QRVAAGVLCE LAQDKEAAEA IEAEGATAPL TELLHSRNEG VATYAAAVLF RMSEDKPQDY KKRLSVELTS SLFRTEPMAW NETADLGLDI GAQGEPLGYR QDDPSYRSFH</p>

Product Details

SGGYGQDALG MDPMMEHEMG GHHPGADYPV DGLPDLGHAQ DLMDGLPPGD SNQLAWFDTD L

Specificity: Met1-Leu781

Purity: > 90 % by SDS-PAGE.

Sterility: 0.22 µm filtered

Endotoxin Level: < 1.0 EU/µg of the protein by LAL method.

Biological Activity Comment: Measured by its binding ability in a functional ELISA. Immobilized Human CD31 at 1 µg/mL (100 µL/well) can bind Human CTNNB1 with a linear range of 0.3-4.9 µg/ml.

Target Details

Target: CTNNB1

Alternative Name: Catenin beta-1 ([CTNNB1 Products](#))

Background: CTNNB, MRD19, armadillo,CTNNB1,MRD19,armadillo,beta Catenin, CTNNB, catenin beta-1

Gene ID: 1499

UniProt: [P35222-1](#)

Pathways: [WNT Signaling](#), [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Peptide Hormone Metabolism](#), [Regulation of Muscle Cell Differentiation](#), [Cell-Cell Junction Organization](#), [Tube Formation](#), [Maintenance of Protein Location](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Concentration: 1.3 mg/mL

Buffer: Lyophilized from a 0.22 µm filtered solution of 50 mM Tris, 150 mM NaCl, pH 8.0

Handling

Storage: -20 °C,-80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.