

Recombinant Human Catenin beta-1/CTNNB1 Protein

Catalog No.: RP01241 **Recombinant** **1 Publications**

Sequence Information

Species	Gene ID	Swiss Prot
Human	1499	P35222-1

Tags

C-His

Synonyms

CTNNB; MRD19;
armadillo;CTNNB1;MRD19;armadillo;beta
Catenin; CTNNB; catenin beta-1

Product Information

Source	Purification
<i>E. coli</i>	> 90% by SDS-PAGE.

Calculated MW	Observed MW
86.33 kDa	100-110 kDa

Endotoxin

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

Formulation

Lyophilized from a 0.22 μm filtered solution of 50mM Tris,150mM NaCl, pH 8.0Contact us for customized product form or formulation.

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.

Contact

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Background

Basic Information

Description

Recombinant Human Catenin beta-1/CTNNB1 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Leu781) of human Beta-catenin (Accession #XP_016861227.1) fused with a 6×His tag at the C-terminus.

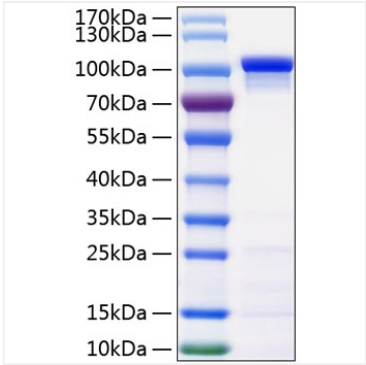
Bio-Activity

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.

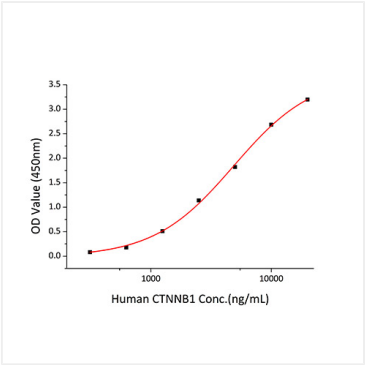
Storage

Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Active Recombinant Human Catenin beta-1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 100-110 kDa.



Immobilized Human CD31 at 1 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Human CTNNB1 with a linear range of 0.3-4.9 $\mu\text{g/mL}$.