

Datasheet for ABIN2713222

CTNNB1 Protein (DYKDDDDK Tag)**1** Image[Go to Product page](#)

Overview

Quantity:	20 µg
Target:	CTNNB1
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTNNB1 protein is labelled with DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	<ul style="list-style-type: none">• Recombinant human Catenin beta-1 (full length, C-term DDK tag) protein expressed in Sf9 cells.• Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	CTNNB1
Alternative Name:	Catenin beta-1 (CTNNB1 Products)
Background:	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

Target Details

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.

Molecular Weight: 85 kDa

NCBI Accession: [NP_001895](#)

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

Application Notes: Recombinant human proteins can be used for:
Native antigens for optimized antibody production
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

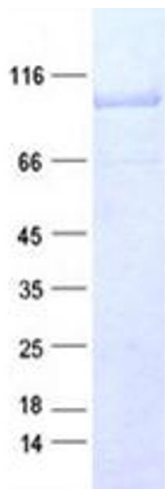
Handling

Concentration: 50 µg/mL

Buffer: 50 mM Tris-HCl, pH 8.0, 100 mM glycine, 10 % glycerol. Store at -80°C. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot