

Active Recombinant Human Catenin beta-1 protein, His tagged

Cat. No. CTNNB1-10HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Catenin beta-1-C-His protein (1-781 aa) was developed from E. coli and has a target region of C-His. For use in research applications.
Species	Human
Source	E.coli
ProteinLength	1-781 aa
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.
Tag	C-His
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 Buffer	Lyophilized from a 0.22 M filtered solution of 50mM TRIS, 150mM NaCl, pH 8.0.

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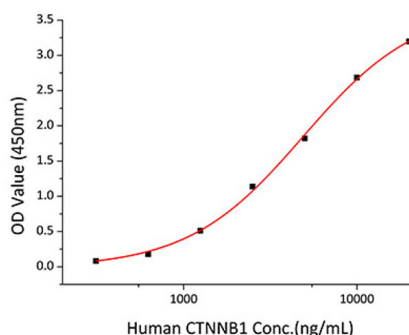
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Contact us for customized product form or formulation.

GENE INFORMATION

Gene Name	CTNNB1 catenin (cadherin-associated protein), beta 1, 88kDa [Homo sapiens (human)]
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
Gene ID	1499
mRNA Refseq	NM_001098209
Protein Refseq	NP_001091679
MIM	116806
UniProt ID	P35222

Biological Activity

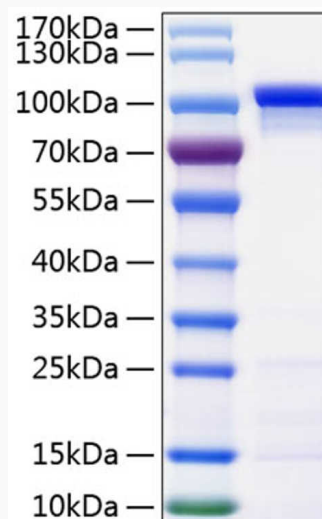


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