

Recombinant Human CTNNB1,GST-tagged

Cat. No. CTNNB1-1441H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human Catenin beta was expressed by baculovirus in <i>Sf9</i> insect cells using an N-terminal GST tag. MW = 115kDa.
Species	Human
Source	Sf9 Cells
Description	β-catenins are cytoplasmic proteins that are ubiquitously expressed. These proteins associate with E-cadherin at cellular junctions. β-catenin interacts with TCF and LEF transcription factors and is an essential member of the Wingless-Wnt signal transduction pathway. The adenomatous polyposis coli (APC) tumor-suppressor protein, together with Axin and GSK3β, form a Wnt-regulated signaling complex that mediates phosphorylation-dependent degradation of β-catenin by the proteasome. APC and Siah-1 mediate a novel β-catenin degradation pathway linking p53 activation to cell cycle control. Activating mutations in the human β-catenin gene have been found in human colon cancer and melanomas.
Sequence	Full-length.
Applications	Western Blot.
Storage And Stability	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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GENE INFORMATION

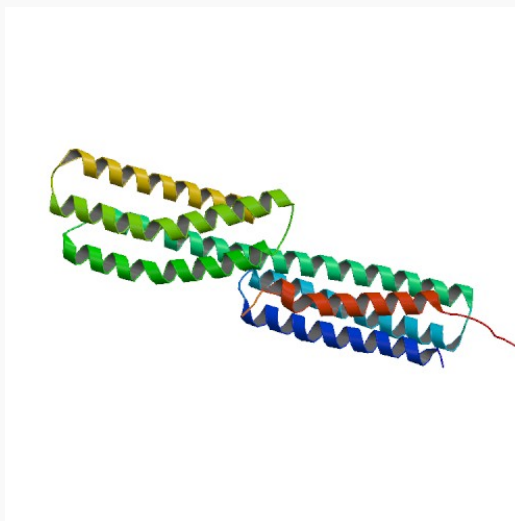
Gene Name	CTNNB1 catenin (cadherin-associated protein), beta 1, 88kDa [Homo sapiens]
Synonyms	CTNNB1; catenin (cadherin-associated protein), beta 1, 88kDa; CTNNB; FLJ25606; FLJ37923; DKFZp686D02253; beta-catenin; Catenin beta-1; Beta-catenin
Gene ID	1499
mRNA Refseq	NM_001098209
Protein Refseq	NP_001091679
MIM	116806
UniProt ID	P35222
Chromosome Location	3p21
Pathway	Adherens junction; Arrhythmogenic right ventricular cardiomyopathy (ARVC); Basal cell carcinoma; Colorectal cancer; Endometrial cancer; Focal adhesion; Leukocyte transendothelial migration; Melanogenesis; Pathogenic Escherichia coli infection; Pathways in cancer; Prostate cancer; Thyroid cancer; Tight junction; Wnt signaling pathway; Apoptosis; Cell-cell adhesion systems; Signaling by Wnt
Function	I-SMAD binding; alpha-catenin binding; androgen receptor binding; cadherin binding; chromatin binding; double-stranded DNA binding; kinase binding; promoter binding; protein C-terminus binding; protein phosphatase binding; signal transducer activity; transcription coactivator activity; transcription factor activity; transcription factor binding

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