Datasheet for ABIN6699577

CTNNB1 Protein (GST tag)

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Overview

Quantity:	20 µg
Target:	CTNNB1
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTNNB1 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	Catenin beta recombinant protein-GST fusion protein
Purification:	Recombinant full-length human Catenin β was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >80% by densitometry.
Purity:	>80%

Target Details

Target:	CTNNB1
Alternative Name:	CTNNB1 (CTNNB1 Products)
Background:	Synonyms: CTNNB, FLJ25606, Catenin beta-1, Beta-catenin Background: β-catenins are cytoplasmic proteins that are ubiquitously expressed. These proteins associate with E-cadherin at cellular junctions (1). β-catenin interacts with TCF and

Target Details

	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 (2). Catenin β Protein is ideal for investigators involved in Signaling Proteins, Transcription Proteins, Cancer, Cardiovascular Disease, Invasion/Metastasis, Neurobiology, PKA/PKC Pathway, and WNT Signaling research.
NCBI Accession:	NM_001904
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:	Western_Blot_Dilution: User Optimized Application_Note: Catenin β Protein is suitable for use in Western Blot. Expect a band approximately ~ 115 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.2 µg/µL
Buffer:	Catenin β Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.
Storage:	-80 °C
Storage Comment:	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.
Expiry Date:	12 months