Recombinant Human CTNNB1 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant full-length human Catenin beta was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag.
Species	Human
Source	Insect Cells
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.
Molecular Mass	Approx 100 kDa
Purity	> 80%
Stability	One year at -70 centigrade from data of shipment.
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most

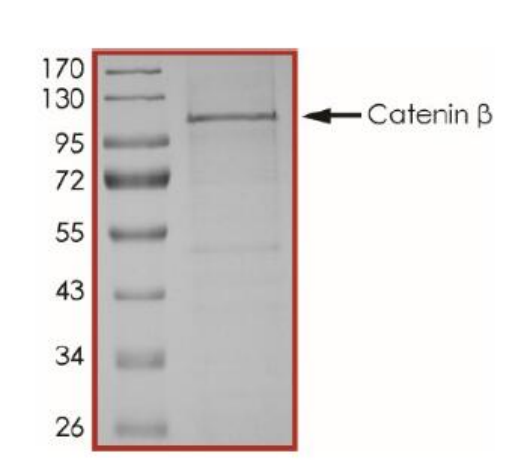
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.05 μg/μL
Storage Buffer	Recombinant protein stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, DTT, 25% glycerol.
Shipping	Dry ice

GENE INFORMATION

Gene Name	CTNNB1 catenin beta 1 [Homo sapiens (human)]
Official Symbol	CTNNB1
Synonyms	CTNNB1; catenin beta 1; catenin beta-1; catenin (cadherin-associated protein), beta 1, 88kDa; EVR7; CTNNB; MRD19; NEDSDV; armadillo
Gene ID	1499
mRNA Refseq	NM_001904
Protein Refseq	NP_001895
MIM	116806
UniProt ID	P35222

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Purity	 The purity of Catenin beta was determined to be > 80 % by densitometry.

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