

Product Information

MemDX™ Membrane Protein Human CTNNB1 (Catenin beta 1) expressed in E.coli for

Antibody Discovery

Cat. No.: **MP1387J**

This product is for research use only and is not intended for diagnostic use.

This product is a 112.4 kDa Human CTNNB1 membrane protein expressed in E.coli. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CTNNB1

Protein Length

Partial (2-781aa)

Protein Class

Ion Channel

Molecular Weight

112.4 kDa

Sequence

ATQADLMELDMAMEPDRKAAVSHWQQQSYLDSGIHSGATTTAPSLSGKGNPEEEDVDTSQVLYEWEQGFSQSFTQEQVADIDGG

Product Description

Expression Systems

E.coli

Tag

N-GST

Form

Liquid or Lyophilized powder

Reconstitution

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration).

Purity

>85% as determined by SDS-PAGE

Buffer

Liquid: Tris/PBS-based buffer, 5%-50% glycerol

Lyophilized powder: Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

CTNNB1

Full Name

Catenin beta 1

Introduction

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), pilomatixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Alternative splicing results in multiple transcript variants.

Alternative Names

b-catenin; Beta catenin; Beta-catenin; Cadherin associated protein; Catenin (cadherin associated protein); beta 1; 88kDa; Catenin beta 1; Catenin beta-1; CATNB; CHBCAT; CTNB1_HUMAN; CTNNB; CTNNB1; DKFZp686D02253; FLJ25606; FLJ37923; OTTHUMP00000162082; OTTHUMP00000165222; OTTHUMP00000165223; OTTHUMP00000209288; OTTHUMP00000209289

Gene ID

[1499](#)

UniProt ID

[P35222](#)