

# Product Information

## MemDX™ Membrane Protein Human CTNNB1 (Catenin beta 1) expressed in Yeast for Antibody Discovery

Cat. No.: **MP1386J**

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

This product is a 87.4 kDa Human CTNNB1 membrane protein expressed in Yeast. 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

87.4 kDa

#### Sequence

ATQADLMELDMAMEPDRKAAVSHWQQQSYLDSGIHSGATTTAPSLSGKGNPEEEDVDTSQVLYEWEQGFSQSFTQEQQVADIDGG

### Product Description

#### Expression Systems

Yeast

#### Tag

N-6xHis

#### 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](#)