# Recombinant Mouse CTNNB1 cell lysate

**Cat. No.** CTNNB1-001MCL **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Mouse CTNNB1 / Catenin beta-1 derived in Baculovirus-Insect cells. The whole cell lysate is provided in 1X Sample Buffer.Browse all transfected cell lysate positive controls |
| **Species** | Mouse |
| **Source** | Insect Cells |
| **Preparation method** | Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized. |
| **Lysis buffer** | Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF |
| **Quality control Testing** | 12.5% SDS-PAGE Stained with Coomassie Blue |
| **Recommended Usage** | 1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube.2. Re-dissolve the pellet using 200μL pure water and boiled for 2-5 min.3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.Notes:The lysate is ready to load on |

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| | SDS-PAGE for Western blot application. If dissociating conditions are required, add reducing agent prior to heating. |
| **Stability** | Samples are stable for up to twelve months from date of receipt at -80°C |
| **Storage Buffer** | 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF |
| **Storage Instruction** | Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes. |

## GENE INFORMATION

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| **Gene Name** | Ctnnb1 catenin (cadherin associated protein), beta 1 [ Mus musculus ] |
| **Official Symbol** | CTNNB1 |
| **Synonyms** | CTNNB1; catenin (cadherin associated protein), beta 1; catenin beta-1; beta-catenin; Bfc; Mesc; Catnb; |
| **Gene ID** | 12387 |
| **mRNA Refseq** | NM_001165902 |
| **Protein Refseq** | NP_001159374 |
| **Pathway** | Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Adherens junctions interactions, organism-specific biosystem; Adipogenesis, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptotic |

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| | cleavage of cell adhesionproteins, organism-specific biosystem; |
| **Function** | DNA binding; I-SMAD binding; R-SMAD binding; RPTP-like protein binding; SMAD binding; alpha-catenin binding; alpha-catenin binding; binding; cadherin binding; cadherin binding; chromatin binding; double-stranded DNA binding; enzyme binding; estrogen receptor binding; ion channel binding; ionotropic glutamate receptor binding; kinase binding; nuclear hormone receptor binding; protein C-terminus binding; protein binding; protein complex binding; protein kinase binding; protein phosphatase binding; protein phosphatase binding; repressing transcription factor binding; sequence-specific DNA binding transcription factor activity; structural molecule activity; transcription coactivator activity; transcription coactivator activity; transcription factor binding; transcription factor binding; transcription regulatory region DNA binding; transcription regulatory region DNA binding; |

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