

Recombinant Mouse Ccnd3 Protein, His-tagged

Cat. No. Ccnd3-643M **Lot. No.** (See product label)

SPECIFICATION

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| Product Overview | Recombinant Mouse Ccnd3 Protein (Met1-Leu292) with His tag was expressed in E. coli. |
| Species | Mouse |
| Source | E.coli |
| ProteinLength | Met1-Leu292 |
| Description | Enables cyclin-dependent protein serine/threonine kinase activity and protein kinase binding activity. Acts upstream of or within several processes, including T cell proliferation; negative regulation of transcription by RNA polymerase II; and regulation of insulin receptor signaling pathway. Located in cytoplasm and nucleus. Is expressed in several structures, including central nervous system; embryo mesenchyme; extraembryonic component; eye; and gonad. Orthologous to human CCND3 (cyclin D3). |
| Form | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 36.1 kDa; Accurate Molecular Mass: \ |
| Purity | > 90% |
| Applications | Positive Control; Immunogen; SDS-PAGE; WB. |

 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

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| Stability | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Storage | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| Storage Buffer | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300. |
| Reconstitution | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex. |

GENE INFORMATION

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| Gene Name | Ccnd3 cyclin D3 [Mus musculus (house mouse)] |
| Official Symbol | Ccnd3 |
| Synonyms | CCND3; cyclin D3; G1/S-specific cyclin-D3; C78795; AA682053; AL024085; AW146355; 9230106B05Rik; |
| Gene ID | 12445 |
| mRNA Refseq | NM_001081635 |
| Protein Refseq | NP_001075104 |
| UniProt ID | P30282 |

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