

# Product datasheet for TP720187

### CDK2 (NM\_001798) Human Recombinant Protein

### **Product data:**

#### **Product Type: Recombinant Proteins Description:** Recombinant protein of human cyclin-dependent kinase 2 (CDK2), transcript variant 1 Species: Human E. coli **Expression Host: Expression cDNA Clone** Met1-Leu298 or AA Sequence: N-His Tag: **Predicted MW:** 36.1 kDa **Concentration:** lot specific **Purity:** >95% as determined by SDS-PAGE and Coomassie blue staining **Buffer:** Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl Endotoxin: < 0.1 EU per µg protein as determined by LAL test Store at -80°C. Storage: Stability: Stable for at least 3 months from date of receipt under proper storage and handling conditions. NP 001789 **RefSeq:** Locus ID: 1017 **UniProt ID:** P24941, A0A024RB77 **Cytogenetics:** 12q13.2 Synonyms: CDKN2; p33(CDK2) Summary: This gene encodes a member of a family of serine/threonine protein kinases that participate in cell cycle regulation. The encoded protein is the catalytic subunit of the cyclin-dependent protein kinase complex, which regulates progression through the cell cycle. Activity of this protein is especially critical during the G1 to S phase transition. This protein associates with and regulated by other subunits of the complex including cyclin A or E, CDK inhibitor p21Cip1 (CDKN1A), and p27Kip1 (CDKN1B). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014]



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### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

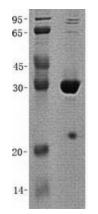
### **CDK2 (NM\_001798) Human Recombinant Protein – TP720187**

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways:

Cell cycle, Oocyte meiosis, p53 signaling pathway, Pathways in cancer, Progesteronemediated oocyte maturation, Prostate cancer, Small cell lung cancer

## **Product images:**



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