antibodies -online.com





CDK1 Protein (Transcript Variant 1) (Myc-DYKDDDDK Tag)



Image

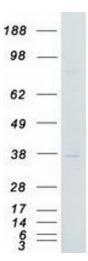


Go to Product page

| Overview | |
|-------------------------------|---|
| Overview | |
| Quantity: | 20 μg |
| Target: | CDK1 |
| Protein Characteristics: | Transcript Variant 1 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CDK1 protein is labelled with Myc-DYKDDDDK Tag. |
| Application: | Antibody Production (AbP), Standard (STD) |
| Product Details | |
| Characteristics: | Recombinant human CDK1 (transcript variant 1) protein expressed in HEK293 cells. Produced with end-sequenced ORF clone |
| Purity: | > 80 % as determined by SDS-PAGE and Coomassie blue staining |
| Target Details | |
| Target: | CDK1 |
| Alternative Name: | Cdk1 (CDK1 Products) |
| Background: | The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein |
| | is a catalytic subunit of the highly conserved protein kinase complex known as M-phase |
| | promoting factor (MPF), which is essential for G1/S and G2/M phase transitions of eukaryotic |
| | cell cycle. Mitotic cyclins stably associate with this protein and function as regulatory subunits. |

Target Details

| raiget Details | |
|---------------------|--|
| | The kinase activity of this protein is controlled by cyclin accumulation and destruction through |
| | the cell cycle. The phosphorylation and dephosphorylation of this protein also play important |
| | regulatory roles in cell cycle control. Alternatively spliced transcript variants encoding different |
| | isoforms have been found for this gene. |
| Molecular Weight: | 33.9 kDa |
| NCBI Accession: | NP_001777 |
| Pathways: | Cell Division Cycle, Fc-epsilon Receptor Signaling Pathway, Neurotrophin Signaling Pathway, |
| | Activation of Innate immune Response, Mitotic G1-G1/S Phases, DNA Replication, M Phase, |
| | Toll-Like Receptors Cascades, Synthesis of DNA |
| Application Details | |
| Application Notes: | Recombinant human proteins can be used for: |
| | Native antigens for optimized antibody production |
| | Positive controls in ELISA and other antibody assays |
| Comment: | The tag is located at the C-terminal. |
| Restrictions: | For Research Use only |
| Handling | |
| Concentration: | 50 μg/mL |
| Buffer: | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol. |
| Storage: | -80 °C |
| Storage Comment: | Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze |
| | immediately. Only 2-3 freeze thaw cycles are recommended. |



Western Blotting

Image 1. Validation with Western Blot