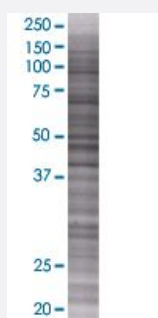


CDKN2B 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001030-T01

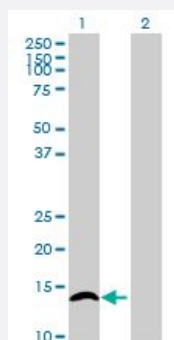
Size 100 uL

Applications



SDS-PAGE Gel

CDKN2B transfected lysate.



Western Blot

Lane 1: CDKN2B transfected lysate (15.29 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-CDKN2B full-length

Host Human

Theoretical MW (kDa) 15.29

Quality Control Testing Transient overexpression cell lysate was tested with Anti-CDKN2B antibody ([H00001030-B02](#)) by Western Blots.
 SDS-PAGE Gel
 CDKN2B transfected lysate.
 Western Blot
 Lane 1: CDKN2B transfected lysate (15.29 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — CDKN2B

Entrez GeneID[1030](#)**GeneBank Accession#**[BC014469](#)**Protein Accession#**[AAH14469](#)**Gene Name**

CDKN2B

Gene Alias

CDK4I, INK4B, MTS2, P15, TP15, p15INK4b

Gene Description

cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)

Omim ID[600431](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene lies adjacent to the tumor suppressor gene CDKN2A in a region that is frequently mutated and deleted in a wide variety of tumors. This gene encodes a cyclin-dependent kinase inhibitor, which forms a complex with CDK4 or CDK6, and prevents the activation of the CDK kinases, thus the encoded protein functions as a cell growth regulator that controls cell cycle G1 progression. The expression of this gene was found to be dramatically induced by TGF beta, which suggested its role in the TGF beta induced growth inhibition. Two alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported. [provided by RefSeq]

Other Designations

CDK inhibitory protein|CDK4B inhibitor|OTTHUMP00000021154|OTTHUMP00000021155|cyclin-dependent kinase 4 inhibitor B|cyclin-dependent kinase inhibitor 2B|cyclin-dependent kinases 4 and 6 binding protein|multiple tumor suppressor 2|p14_CDK inhibitor|p14_INK4

Pathway

- [Cell cycle](#)
- [Pathways in cancer](#)

- [Small cell lung cancer](#)
- [TGF-beta signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Arthritis](#)
- [Asthma](#)
- [Ataxia telangiectasia](#)
- [Atherosclerosis](#)
- [Bipolar Disorder](#)
- [Birth Weight](#)
- [Brain Ischemia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chromosomal Instability](#)
- [Chromosome Aberrations](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Crohn Disease](#)
- [Cystadenocarcinoma](#)
- [Diabetes](#)

- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Eczema](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Fetal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Glucose Intolerance](#)
- [Glucose Metabolism Disorders](#)
- [Hemorrhage](#)
- [HIV Infections](#)
- [Hyperglycemia](#)
- [Hyperlipidemias](#)
- [Hyperlipoproteinemia Type II](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Intracranial Aneurysm](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Malignant melanoma](#)
- [Malnutrition](#)
- [Melanoma](#)
- [Multiple endocrine neoplasia](#)

- [Multiple Endocrine Neoplasia Type 1](#)
- [Myelodysplastic Syndromes](#)
- [Myocardial Infarction](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Periodontitis](#)
- [Prostatic Neoplasms](#)
- [Rhinitis](#)
- [Skin Neoplasms](#)
- [Starvation](#)
- [Stroke](#)
- [Thyroid Neoplasms](#)
- [Uveal Neoplasms](#)
- [Vascular Diseases](#)
- [Weight Gain](#)
- [Wolfram Syndrome](#)