

## Product datasheet for **TP300496**

### CDC25A (NM\_001789) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cell division cycle 25 homolog A ( <i>S. pombe</i> ) (CDC25A), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200496 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MELGPEPPHRRRLLFACSPPPASQPVVKALFGASAAGGLSPVTNLTVMQDLQGLGSDYEQPLEVKNNNSN  
LQRMGSSESTDGFLDSPGPLDSKENLENPMRRIHSLPQKLLGCSPALKRSHSDSLDHDIFQLIDPDEN  
KENAEFEFKKPVSRGCLHSHGLQEGKDLFTQRQNSAPARMLSSNERDSSEPGNFIPLFTQSPVTAT  
LSEDDDDGFVDLLDGENLKNEEETPSCMASLWTAPLVMRTTNLDNRCKLFDSPSLCSSSTRSVLKRPEREQ  
EESPPGSTKRRKSMGASPKESTNPEKAHETLHQSLSLASSPKGTIENILDNDPRDLIGDFSKGYLFHTV  
AGKHQDLKYISPEIMASVLNGKFANLIKEFVIIDCRYPYEGGHIKAVNLHMEEEVEDFLLKKPIVPT  
DGKRVIVVFHCEFSSERGPRMCRYVRERDRLGNEYPKLHYPELYVLKGGYKEFFMKCQSYCEPPSYRPMH  
HEDFKEDLKKFRTKSRTWAGEKSKREMYSLKLL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

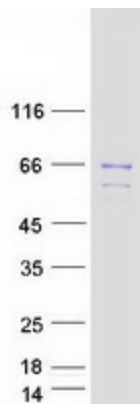
Tag:	C-Myc/DDK
Predicted MW:	58.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001780</a>
<b>Locus ID:</b>	993
<b>UniProt ID:</b>	<a href="#">P30304</a>
<b>RefSeq Size:</b>	3717
<b>Cytogenetics:</b>	3p21.31
<b>RefSeq ORF:</b>	1572
<b>Synonyms:</b>	CDC25A2
<b>Summary:</b>	CDC25A is a member of the CDC25 family of phosphatases. CDC25A is required for progression from G1 to the S phase of the cell cycle. It activates the cyclin-dependent kinase CDC2 by removing two phosphate groups. CDC25A is specifically degraded in response to DNA damage, which prevents cells with chromosomal abnormalities from progressing through cell division. CDC25A is an oncogene, although its exact role in oncogenesis has not been demonstrated. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome, Phosphatase
<b>Protein Pathways:</b>	Cell cycle, Progesterone-mediated oocyte maturation

### Product images:



Coomassie blue staining of purified CDC25A protein (Cat# TP300496). The protein was produced from HEK293T cells transfected with CDC25A cDNA clone (Cat# [RC200496]) using MegaTran 2.0 (Cat# [TT210002]).