

Recombinant Full Length Human CDC25A Protein, GST-tagged

Cat. No. CDC25A-3140HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDC25A full-length ORF (AAH07401, 1 a.a. - 524 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	524 amino acids
Description	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]
Molecular Mass	83.38 kDa
AA Sequence	MELGPEPPHRRRLLFACSPPPASQPVVKALFGASAAGGLSPVTNLTVTMDQLQGLG SDYEQPLEVKNNNSNLQRMGSSESTDSGFCLDSPGPLDSKENLENPMRRIHSLPQKL LGCSPALKRSHSDSLDHDIFQLIDPDENKENEAFEFKKPVRPVSRGCLHSHGLQEGK DLFTQRQNSAPARMLSSNERDSSEPGNFIPLFTPQSPVTATLSDEDDGFVDLLDGE NLKNEEETPSCMASLWTAPLVMRTTNLDNRCKLFDSPSLCSSSTRSVLKRPERSQE ESPPGSTKRRKSMGASPKESTNPEKAHETLHQSLSLASSPKGTIENILDNDPRDLI

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GDFSKGYLFHTVAGKHQDLKYISPEIMASVLNGKFANLIKEFVIIDCRYPYEYEGGHIK
GAVNLHMEEEEVEDFLLKKPIVPTDGKRVIVVFHCEFSSERGPRMCRYVRERDRLGS
EYPKLHYPELYVLKGGYKEFFMKCQSYCEPPSYRPMHHEDFKEDLKKFRTKSRTW
AGEKSKREMYSRLKKL

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name CDC25A cell division cycle 25 homolog A (S. pombe) [Homo sapiens]

Official Symbol CDC25A

Synonyms CDC25A; cell division cycle 25 homolog A (S. pombe); cell division cycle 25 homolog A (S. cerevisiae), cell division cycle 25A; M-phase inducer phosphatase 1; CDC25A2-CAG isoform; cell division cycle 25A; dual specificity phosphatase CDC25A; CDC25A2;

Gene ID 993

mRNA Refseq NM_001789

Protein Refseq NP_001780

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MIM	116947
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UniProt ID	P30304
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