

Recombinant Human CDC25A Protein, GST-Tagged

Cat. No. CDC25A-0914H **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	Wheat Germ
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 SDYEQPLEVKNNNSNLQRMGSSESTDSGFCCLDSPGPLDSKENLENPMRRIHSLPQKL LGCSPALKRSHSDSLDHDIFQLIDPDENKENEAFEFKKPVRPVSRGCLHSHGLQEGK DLFTQRQNSAPARMLSSNERDSSEPGNFIPLFTPQSPVTATLSDEDDGFVDLLDGE NLKNEEETPSCMASLWTAPLVMRTTNLDNRCKLFDSPSLCSSSTRSVLKRPERSQE ESPPGSTKRRKSMGASPKESTNPEKAHETLHQSLSLASSPKGTIENILDNDPRDLI GDFSKGYLFHTVAGKHQDLKYISPEIMASVLNGKFANLIKEFVIIDCRYPYEYEGGHIK

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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

MIM

116947

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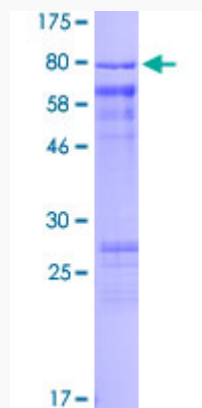
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UniProt ID

P30304

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue

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