

CDC25A, 1-524aa, Human, His tag, E.coli

Cat.NO.: TP01544

3th Edition

Synonyms:M-phase inducer phosphatase 1, Dual specificity phosphatase Cdc25A, CDC25A2

Description:M-phase inducer phosphatase 1, also known as 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 cyclindependent kinase CDC2 by removing two phosphate groups.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 20% glycerol, 0.2M NaCl, 1mM EDTA

Molecular Weight:63.2 kDa (560aa)

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMELGPEPPHRRRLLFACSPPPASQPVVKALFGASAA
GGLSPVTNLTVTMDQLQGLGSDYEQPLEVKNNNSNLQRMGSSESTDSGFCLDSPGPLDSKENLENPMRRIHSLPQK
LLGCSPALKRSHSDSLDHDIFQLIDPDENKENEAFEFKKPVRPVSRGCLHSHGLQEGKDLFTQRQNSAPARMLSSN
ERDSSEPGNFIPLFTPQSPVTATLSDEDDGFVDLLDGENLKNEEETPSCMASLWTAPLVMRTTNLDNRCKLFDSPS
LCSSSTRSVLKRPERSQEESPPGSTKRRKSMGASPKESTNPEKAHETLHQSLSLASSPKGTIENILDNDPRDLIGD
FSKGYLFHTVAGKHQDLKYISPEIMASVLNGKFANLIKEFVIIDCRYPYEEGGHIKGAVNLHMEEEEVEDFLLKKPIVP
TDGKRIVVVFHCEFSSERGPRMCRYVRERDRLGNEYPKLHYPELYVLKGGYKEFFMKCQSYCEPPSYRPMHHED
FKEDLKKFRTKSRTWAGEKSKREMYSLKKL

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.