

Recombinant Human WEE1 protein, MYC/DDK-tagged

Cat. No. WEE1-36H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human WEE1, transcript variant 1, fused with MYC/DDK at C-terminal was expressed in HEK293.

Species Human

Source HEK293

Description This gene encodes a nuclear protein, which is a tyrosine kinase belonging to the Ser/Thr family of protein kinases. This protein catalyzes the inhibitory tyrosine phosphorylation of CDC2/cyclin B kinase, and appears to coordinate the transition between DNA replication and mitosis by protecting the nucleus from cytoplasmically activated CDC2 kinase.

Form 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

Molecular Mass 71.4 kDa

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name WEE1 WEE1 G2 checkpoint kinase [Homo sapiens]

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Official Symbol	WEE1
Synonyms	WEE1A; WEE1hu; wee1-like protein kinase; WEE1 homolog; WEE1+ homolog; wee1A kinase
Gene ID	7465
mRNA Refseq	NM_003390
Protein Refseq	NP_003381
MIM	193525
UniProt ID	P30291
Chromosome Location	11p15.4
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem; Cell cycle - G2/M transition, conserved biosystem
Function	ATP binding; magnesium ion binding; non-membrane spanning protein tyrosine kinase activity

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