

Recombinant Human WEE1 Protein (M291-K575), His tagged

Cat. No. WEE1-0060H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human 8His-TEV-(G)-Wee1(M291-K575) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	M291-K575
Description	Acts as a negative regulator of entry into mitosis (G2 to M transition) by protecting the nucleus from cytoplasmically activated cyclin B1-complexed CDK1 before the onset of mitosis by mediating phosphorylation of CDK1 on 'Tyr-15'. Specifically phosphorylates and inactivates cyclin B1-complexed CDK1 reaching a maximum during G2 phase and a minimum as cells enter M phase. Phosphorylation of cyclin B1-CDK1 occurs exclusively on 'Tyr-15' and phosphorylation of monomeric CDK1 does not occur. Its activity increases during S and G2 phases and decreases at M phase when it is hyperphosphorylated. A correlated decrease in protein level occurs at M/G1 phase, probably due to its degradation.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%

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Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	WEE1 WEE1 homolog (S. pombe) [Homo sapiens (human)]
Official Symbol	WEE1
Synonyms	WEE1; WEE1 homolog (S. pombe); wee1+ (S. pombe) homolog; wee1-like protein kinase; wee1A kinase; WEE1+ homolog; WEE1A; WEE1hu; FLJ16446; DKFZp686I18166;
Gene ID	7465
mRNA Refseq	NM_001143976
Protein Refseq	NP_001137448
MIM	193525
UniProt ID	P30291

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