

Wee1 Protein, active, 10 µg Active, N-terminal GST-tagged & C-terminal 6His tagged, recombinant, human Wee1, amino acids 214-end. For use in Kinase Assays.

Art. ID	SAF-14-925M
Unit	EA
Deliverydetails	No Dangerous Good

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., Product Source: N-terminal GST-tagged and C-terminal 6His tagged, recombinant, human Wee1 amino acids 214-end expressed by baculovirus in Sf21 insect cells.