

Active Recombinant Human WEE1 Protein (Q36-Y432), N-GST-6×His tagged

Cat. No. WEE1-15H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human WEE1, C-terminal fragment, amino acids Q36-Y432 (as in NCBI/Protein entry NP_001137448.1), N-terminal GST-6×His fusion protein with a Thrombin cleavage site, expressed in Sf9 insect cells
Species	Human
Source	Insect Cells
ProteinLength	Q36-Y432
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.
Bio-activity	Specific kinase activity (Pi transfer): 2 pmol/μg × min ATP-KM: 1.6 μM
Molecular Mass	74,902 Da
Storage	At -80 centigrade For complete recovery, mix well and spin before use. Product must not be stored in diluted solutions, aliquots below 10

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μL are not advisable. Avoid repeated freeze-thaw cycles!

Concentration 0.142 μg/μL (Bradford method using BSA as standard protein)

Storage Buffer 50 mM TRIS-HCl pH 8.0, 100 mM NaCl, 5 mM DTT, 4 mM reduced glutathione, 20 % glycerol

GENE INFORMATION

Gene Name [WEE1 WEE1 G2 checkpoint kinase \[Homo sapiens \(human\) \]](#)

Official Symbol [WEE1](#)

Synonyms WEE1; WEE1 G2 checkpoint kinase; WEE1A; WEE1hu; wee1-like protein kinase; WEE1 homolog; WEE1+ homolog; protein kinase; wee1A kinase; EC 2.7.10.2

Gene ID [7465](#)

mRNA Refseq [NM_001143976](#)

Protein Refseq [NP_001137448](#)

MIM [193525](#)

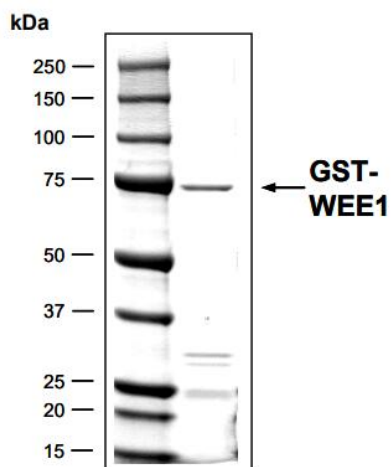
UniProt ID [P30291](#)

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