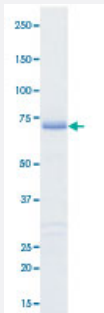


Bioactive

# WEE1 (Human) Recombinant Protein

Catalog # P5810      Size 5 ug

## Applications



## Result of activity analysis

Result of activity analysis

□

## Specification

<b>Product Description</b>	Human WEE1 (NP_003381.1, 215 a.a. - 646 a.a.) partial recombinant protein with GST tag expressed in Baculovirus infected Sf21 cells.
<b>Host</b>	insect
<b>Theoretical MW (kDa)</b>	76
<b>Form</b>	Liquid
<b>Preparation Method</b>	Baculovirus infected insect cell (Sf21) expression system
<b>Purification</b>	Glutathione sepharose chromatography
<b>Purity</b>	82 % by SDS-PAGE/CBB staining

<b>Activity</b>	The activity was determined by ELISA. The enzyme was incubated with biotinylated peptide in strept avidin-coated ELISA plate. Phosphorylation was detected by HRP-labeled anti-phospho antibody. Substrate : CDC2 peptide. ATP: 100 $\mu$ M.
<b>Quality Control Testing</b>	SDS-PAGE Stained with Coomassie Blue
<b>Storage Buffer</b>	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Result of activity analysis Result of activity analysis

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — WEE1

<b>Entrez GeneID</b>	<a href="#">7465</a>
<b>Protein Accession#</b>	<a href="#">NP_003381.1</a>
<b>Gene Name</b>	WEE1
<b>Gene Alias</b>	DKFZp686I18166, FLJ16446, WEE1A, WEE1hu
<b>Gene Description</b>	WEE1 homolog (S. pombe)
<b>Omim ID</b>	<a href="#">193525</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	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. [provided by RefSeq]
<b>Other Designations</b>	WEE1+ homolog wee1 tyrosine kinase wee1-like protein kinase

## Pathway

- [Cell cycle](#)

## Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)