

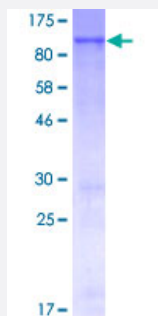
Full-Length

# WEE1 (Human) Recombinant Protein (P01)

Catalog # H00007465-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human WEE1 full-length ORF ( AAH51831.1, 1 a.a. - 646 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MSFLSRQQPPPPRRAGAACTLRQKLIFSPCSDCEEEEEEEEEEGSGHSTGEDSAFQEPDSPLP  
PARSPTEPGPERRRSPGPAPGSPGEELEEDLLPGACPGADEAGGGAEGDSWEEEGFGSSSPV  
KSPAAPYFLGSSFSVPVRCGGPGDASPRGCGARRAGEGRRSPRPDHPGTPPHKTFRKLRLFDTP  
HTPKSLLSKARGIDSSSVKLRGSSLFMDTEKSGKREFDVRQTPQVNINPFTPDLLLLHSSGQCRR  
RKRTYWNDSCGEDMEASDYELEDETTPAKRITTESNMKSRYTTEFHELEKIGSGEFGSVFKCVK  
RLDGCYIAIKRSKKPLAGSVDEQNALREVYAHAVLGQHSVVRYSAWAEDDHMLIQNEYRNGGS  
LADAISENYRIMSYFKEAELKDLLLQVGRGLRYIHMSLVHMDIKPSNIFISRTSIPNAASEEGDEDD  
WASNKVMFKIGDLGHVTRISSPQVEEGDSRFLANEVLQENYTHLPKADIFALALTVVCAAGAEPL  
PRNGDQWHEIRQGRLPRIPQVLSQEFTTELLKVMHPDPERRPSAMALVKHSVLLSASRKSAEQLRI  
ELNAEKFKNSLLQKELKKAQMAKAAAEERALFTDRMATRSTTQSNRTSRLIGKKMNRSVSLTIY

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

98.1

### Interspecies Antigen Sequence

Mouse (90); Rat (91)

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Quality Control Testing | 12.5% SDS-PAGE Stained with Coomassie Blue.                              |
| Storage Buffer          | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| Storage Instruction     | Store at -80°C. Aliquot to avoid repeated freezing and thawing.          |
| Note                    | Best use within three months from the date of receipt of this protein.   |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — WEE1

|                     |                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">7465</a>                                                                                                                                                                                                                                                                                                                                                                |
| GeneBank Accession# | <a href="#">BC051831.1</a>                                                                                                                                                                                                                                                                                                                                                          |
| Protein Accession#  | <a href="#">AAH51831.1</a>                                                                                                                                                                                                                                                                                                                                                          |
| Gene Name           | WEE1                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Alias          | DKFZp686I18166, FLJ16446, WEE1A, WEE1hu                                                                                                                                                                                                                                                                                                                                             |
| Gene Description    | WEE1 homolog (S. pombe)                                                                                                                                                                                                                                                                                                                                                             |
| Omim ID             | <a href="#">193525</a>                                                                                                                                                                                                                                                                                                                                                              |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                           |
| Gene Summary        | 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] |
| Other Designations  | 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](#)