

## Recombinant Human WEE1 cell lysate

Cat. No. WEE1-1930HCL Lot. No. (See product label)

### SPECIFICATION

**Species**

Human

**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.

**Size**

100 ul

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Applications**

Western Blot;

### GENE INFORMATION

**Gene Name**

WEE1 WEE1 homolog (S. pombe) [ Homo sapiens ]

**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;

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|                            |  |
|----------------------------|--|
| <b>Gene ID</b>             | 7465   |
| <b>mRNA Refseq</b>         | NM_001143976   |
| <b>Protein Refseq</b>      | NP_001137448   |
| <b>MIM</b>                 | 193525   |
| <b>UniProt ID</b>          | P30291   |
| <b>Chromosome Location</b> | 11p15.3-p15.1  |
| <b>Pathway</b>             | Cell Cycle, organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Chk1/Chk2(Cds1) mediated inactivation of Cyclin B:Cdk1 complex, organism-specific biosystem; |
| <b>Function</b>            | ATP binding; magnesium ion binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein binding; protein serine/threonine kinase activity; protein tyrosine kinase activity;   |

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