

Recombinant Human WEE1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. WEE1-6052H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WEE1 MS Standard C13 and N15-labeled recombinant protein (NP_003381) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	71.4 kDa
AA Sequence	MSFLSRQQPPPPRRAGAACTLRQKLIFSPCSDCEEEEEEEEEEGSGHSTGEDSAFQ EPDSPLPPARSPTEPGPERRRRSPGPAPGSPGELEEDLLLPACPGADEAGGGAEG DSWEEEGFGSSSPVKSPAAPYFLGSSSFSPVRCGGPGDASPRGCGARRAGEGRRS PRPDHPGTPPHKTFRKLRLFDTPHTPKSLLSKARGIDSSSVKLRGSSSLFMDTEKSGK REFDVRQTPQVNINPFTPDSLLLHSSGQCRRRKRRTYWNDS CGEDMEASDYELEDE TRPAKRITITESNMKSRYTTEFHELEKIGSGEFGSVFKCVKRLDGCYAIKRSKKPLAG SVDEQNALREVYAHAVLGQHSHVVRYSAWAEDDHMLIQNEYRNGGSLADAISENY RIMSYFKEAELKDLLLQVGRGLRYIHMSLVHMDIKPSNIFISRTSIPNAASEEGDEDD

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WASNKVMFKIGDLGHVTRISSPQVEEGDSRFLANEVLQENYTHLPKADIFALALTVV
CAAGAEPLPRNGDQWHEIRQGRLPRIPQVLSQEFTELLKVMIHDPERRPSAMALV
KHSVLLSASRKS AEQLRIELNAEKFKNSLLQKELKKAQMAKAAAEERALFTDRMATR
STTQSNRTSRLIGKKMNRSVSLTIYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

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;

Gene ID [7465](#)

mRNA Refseq [NM_003390](#)

Protein Refseq [NP_003381](#)

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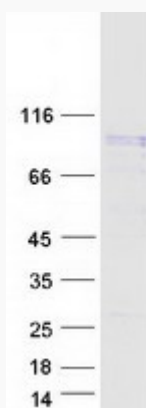
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MIM 193525

UniProt ID P30291

SDS-PAGE



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