

Recombinant Human WEE1 Protein (247-end), N-GST tagged

Cat. No. WEE1-35H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human WEE1 (amino acids 247-end) was expressed by E. coli cells using an N-terminal Glutathione-S-Transferase fusion protein.
Species	Human
Source	E.coli
ProteinLength	247-end
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.
Form	Liquid (sterile filtered)
Purity	> 75 % by densitometry
Applications	WEE1 Protein is stored in 50 mM Tris-HCl, pH 7.5, 50 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol. WEE1 Protein is suitable for use in Western Blot. Expect a band approximately ~110 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Stability	Expiration date is one year from date of receipt.

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Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 µg/µL
Shipping	Dry Ice
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_003390
Protein Refseq	NP_003381
MIM	193525
UniProt ID	P30291

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