

Recombinant Human WEE2 Protein (D2-H567), Tag Free

Cat. No. WEE2-0789H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GG-WEE2(D2-H567 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	D2-H567
Description	Oocyte-specific protein tyrosine kinase that phosphorylates and inhibits CDK1/CDC2 and acts as a key regulator of meiosis during both prophase I and metaphase II. Required to maintain meiotic arrest in oocytes during the germinal vesicle (GV) stage, a long period of quiescence at dictyate prophase I, by phosphorylating CDK1 at 'Tyr-15', leading to inhibit CDK1 activity and prevent meiotic reentry. Also required for metaphase II exit during egg activation by phosphorylating CDK1 at 'Tyr-15', to ensure exit from meiosis in oocytes and promote pronuclear formation.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.

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Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	WEE2 WEE1 homolog 2 (S. pombe) [Homo sapiens (human)]
Official Symbol	WEE2
Synonyms	WEE1B
Gene ID	494551
mRNA Refseq	NM_001105558
Protein Refseq	NP_001099028
MIM	614084
UniProt ID	P0C1S8

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