WEE1 recombinant protein

WEE1, Active

CATALOG #	HOST	APPLICATIONS
AAA74112	**Sf9 insect cells**	**Western Blot**

PRODUCT SYNONYMS

WEE1; Active; WEE1hu; WEE1A; WEE1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 25% glycerol.
Applicable Applications for WEE1 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. 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.

IMAGES

SDS-PAGE
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.

Activity
Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for WEE1 recombinant protein	Recombinant human WEE1 (247-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_003390. WEE1 is a nuclear protein kinase that regulates G2/M transition in response to DNA damage. It catalyzes an inhibitory tyrosine phosphorylation of cyclin-dependent kinase 1-bound cyclin B resulting in G2 cell cycle arrest (1). WEE1 also maintains the proper timing of cell division through phosphorylation of tyrosine15 residues of cyclin-dependent kinases 1 and 2, thereby modulating the activity of both kinases and controlling entry into mitosis and DNA replication during S phase (2).
Product Categories/Family for WEE1 recombinant protein	Protein Kinases; Apoptosis/Autophagy; Cancer; Cardiovascular Disease; Cell Cycle; Cellular Stress; Inflammation
References	1. Heald, R. et.al: Human wee1 maintains mitotic timing by protecting the nucleus from cytoplasmically activated cdc2 kinase. Cell 74: 463-474, 1993. 2. Parker, L. L. et.al: Inactivation of the p34cdc2-cyclin B complex by the human WEE1 tyrosine kinase. Science 257: 1955-1957, 1992.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_003390
Molecular Weight	115kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/wee1-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/74112