WEE2 recombinant protein

WEE2, Active

CATALOG #	HOST	APPLICATIONS
AAA74117	**Sf9 insect cells**	**Western Blot**

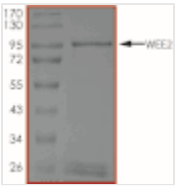
PRODUCT SYNONYMS

WEE2; Active; WEE1B; WEE2 recombinant protein

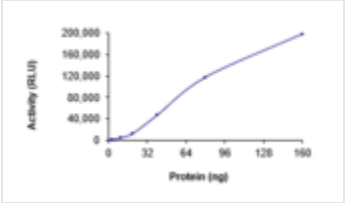
PRODUCT SPECIFICATIONS

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 WEE2 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Mouse
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 targets into smaller quantities after centrifugation and store at the 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 the related technical data sheet.



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

ADDITIONAL INFORMATION

Related Product Information for WEE2 recombinant protein	Full-length recombinant mouse WEE2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is BC052883. WEE2, also known as WEE1B, is a dual-specificity kinases that uniquely function to phosphorylate specific Tyr/Thr residues on CDKs. It belongs to WEE1 family that also includes WEE1 homolog 1 (WEE1, also designated as somatic WEE1A) and PKMYT1 (previously known as MYT1). It is conserved from yeast to humans and has been shown to suppress CDK1 activity by phosphorylating its inhibitory sites. A key M phase-promoting factor (MPF) inhibitory kinase in oocytes and is required for maintaining meiotic arrest.
Product Categories/Family for WEE2 recombinant protein	Protein Kinases; Cell Cycle; Cellular Stress; Inflammation; Ser/Thr Kinases; WNT Signaling

References	1. Leise W 3rd, et al: Multiple Cdk1 inhibitory kinases regulate the cell cycle during development. Dev Biol. 2002 Sep 1;249(1):156-73. 2. Liu C, et al: Ser 15 of WEE1B is a potential PKA phosphorylation target in G2/M transition in one-cell stage mouse embryos. Mol Med Rep. 7(6):1929-37, 2013.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31127135
NCBI GeneID	381759
Molecular Weight	96 kDa
NCBI Official Full Name	Mus musculus WEE1 homolog 2 (S. pombe), mRNA
NCBI Official Synonym Full Names	WEE1 homolog 2 (S. pombe)
NCBI Official Symbol	Wee2
NCBI Official Synonym Symbols	Wee1B; Gm1065
NCBI Protein Information	wee1-like protein kinase 2

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.

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Online datasheet: https://stage.aaabiotech.com/wee2-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/74117