

Datasheet for 009-001-U59S

WEE1 protein-GST fusion**Overview**

Description:	WEE1 recombinant protein-GST fusion protein - 009-001-U59S
Item No.:	009-001-U59S
Size:	20 µg
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	WEE1 is a nuclear protein, which is a tyrosine kinase belonging to the Ser/Thr family of protein kinases that 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 (1). WEE1 is highly expressed in testis. WEE1 kinase phosphorylated the p34 (CDC2) -cyclin B complex on tyr15 and inactivated the p34 (CDC2)-cyclin B kinase (2). WEE1 Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Cancer, Cell Cycle, and Cytoplasmic Tyrosine Kinases research.
Synonyms:	WEE1huWee1-like protein kinase, WEE1hu, Wee1A kinase
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	WEE1
Purity/Specificity:	Recombinant human WEE1 (amino acids 247-end) was expressed by E. coli cells using an N-terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >75% by densitometry.
Relevant Links:	• NCBI - NM_003390

Application Details

Application Note:	WEE1 Protein is stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. WEE1 Protein is suitable for use in Western Blot. Expect a band approximately ~110kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.1 µg/µl
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store product at -70°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.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

