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Datasheet for 009-001-U53S

UHMK1 (KIS) protein-GST fusion

Overview

Description:	UHMK1 (KIS) recombinant protein-GST fusion protein - 009-001-U53S
Item No.:	009-001-U53S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	UHMK1 (KIS) or U2AF homology motif (UHM) kinase 1 is a serine/threonine protein kinase that promotes cell cycle progression through G1 phase. UHMK1 phosphorylates the cyclin-dependent kinase inhibitor 1B (p27Kip1) and this results in its export to the nucleus where it undergoes degradation. UHMK1 is a growth factor-dependent nuclear kinase which can regulate cell cycle progression (1). Elevated levels of UHMK1 protein in leukemia cells has been shown to promote cell cycle progression. UHMK1 has also been shown to function in the adult nervous system where it is highly expressed and the gene has been associated with schizophrenia (2). UHMK1 Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Cancer, Cell Cycle, and Ser/Thr Kinases research.
Synonyms:	UHMK1, KIS, KIST, Serine/threonine-protein kinase Kist, Kinase interacting with stathmin, PAM COOH-terminal interactor protein 2, P-CIP2, U2AF homology motif kinase 1
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	UHMK1
Purity/Specificity:	Recombinant full-length human UHMK1 was expressed by baculovirus in Sf9 insect cells using an N-terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >70% by densitometry.
Relevant Links:	• NCBI - NM_144624

Application Details

Application Note:	UHMK1 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. UHMK1 Protein is suitable for use in Western Blot. Expect a band approximately ~65kDa 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:	0.05 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.

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