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Datasheet for 009-001-S59S

p18INK4C protein-GST fusion

Overview

Description:	p18INK4C recombinant protein-GST fusion protein - 009-001-S59S
Item No.:	009-001-S59S
Size:	20 µg
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	p18INK4C is a member of the INK4 family of proteins that regulate the G1 to S cell cycle transition by binding to and inhibiting the pRb kinase activity of cyclin-dependent kinases 4 and 6 (1). Mutation of p18INK4C impairs B-cell terminal differentiation and confers increased susceptibility to tumor development. p18INK4C can function as a tumor suppressor gene in Hodgkins lymphoma and its inactivation may contribute to the cell cycle deregulation and defective terminal differentiation characteristic of the Reed-Sternberg cells (2). p18INK4C Protein is ideal for investigators involved in Signaling Proteins, Cell Cycle Proteins, Cancer, and Cell Cycle research.
Synonyms:	CDKN2C, p18, INK4C, p18-INK4C, Cyclin-dependent kinase 4 inhibitor C, Cyclin-dependent kinase 6 inhibitor, p18-INK4c, p18-INK6
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	CDKN2C
Purity/Specificity:	Recombinant full-length human p18INK4C was expressed in E. coli cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >90% by densitometry.
Relevant Links:	• NCBI - NM_001262

Application Details

Application Note:	p18INK4C Protein is stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. p18INK4C Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~42kDa 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:	0.2 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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