

Datasheet for 009-001-S60S**p19INK4D protein-GST fusion****Overview**

Description:	p19INK4D recombinant protein-GST fusion protein - 009-001-S60S
Item No.:	009-001-S60S
Size:	20 µg
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	p19INK4D protein is associated with CDK6 in several hematopoietic cell lines. It has been demonstrated that p19INK4D expression enhances cell survival under genotoxic conditions (1). By using p19INK4D-overexpressing cells, it has been demonstrated that p19INK4D expression correlates with the cellular resistance to UV treatment with increased DNA repair activity against UV-induced lesions. p19INK4D regulates protein network that integrate DNA repair, apoptosis and checkpoint mechanisms in order to maintain the genomic integrity (2). p19INK4D Protein is ideal for investigators involved in Signaling Proteins, Cell Cycle Proteins, Cancer, and Cell Cycle research.
Synonyms:	CDKN2D, p19, INK4D, p19-INK4D, Cyclin-dependent kinase 4 inhibitor D, p19-INK4d
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	CDKN2D
Purity/Specificity:	Recombinant full-length human p19INK4D 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_001800

Application Details

Application Note:	p18INK4D 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. p18INK4D Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~44kDa 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.

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.

