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Datasheet for 009-001-S64S

p33ING1 protein-HIS Epitope

Overview

Description:	p33ING1 recombinant protein-HIS Epitope - 009-001-S64S
Item No.:	009-001-S64S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	p33ING1 displays characteristics of a tumor suppressor protein and can induce cell growth arrest and apoptosis. p33ING1 is a nuclear protein and acute expression of p33 ING1 inhibits cell growth. p33ING1 physically interacts with the tumor suppressor protein TP53 and is a component of the p53 signaling pathway. Mutation of p33ING1 gene occurs in neuroblastoma cells and reduced expression is observed in some breast cancer cell lines (1). It has been proposed that p33ING1 can act as a potent growth regulator in normal and in established cells and plays a role as a candidate tumor suppressor gene whose inactivation may contribute to the development of cancers (2). p33ING1 Protein is ideal for investigators involved in Signaling Proteins, Cell Cycle Proteins, Cancer, and Cell Cycle research.
Synonyms:	ING1, p33, p47, p24ING1c, p33ING1b, p47ING1a, Inhibitor of growth protein 1
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	ING1
Purity/Specificity:	Recombinant full-length human p33ING1 was expressed by baculovirus in Sf9 insect cells using an N-Terminal his epitope. The purity was determined to be >85% by densitometry.
Relevant Links:	• NCBI - NM_198219

Application Details

Application Note:	p33ING1 Protein is stored in 50mM MOPS, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol. p33ING1 Protein is suitable for use in Western Blot. Expect a band approximately ~38kDa 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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