

Datasheet for ABIN6699949 **ING1 Protein (His tag)**



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Overview

Quantity:	20 µg
Target:	ING1
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ING1 protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	p33ING1 recombinant protein-HIS Epitope
Purification:	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.
Purity:	>85%

Target Details

Target:	ING1
Alternative Name:	ING1 (ING1 Products)
Background:	Synonyms: ING1, p33, p47, p24ING1c, p33ING1b, p47ING1a, Inhibitor of growth protein 1 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

Target Details

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.

NCBI Accession: [NM_198219](#)

Pathways: [Protein targeting to Nucleus, Autophagy](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: p33ING1 Protein is suitable for use in Western Blot. Expect a band approximately ~38 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 µg/µL

Buffer: p33ING1 Protein is stored in 50 mM MOPS, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25 % glycerol.

Storage: -80 °C

Storage Comment: 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.

Expiry Date: 12 months