Recombinant Human Inhibitor Of Growth Family, Member 1, His-tagged

Cat. No. ING1-1480H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human p33ING1 was expressed by baculovirus in*Sf9*insect cells using an N-terminal His tag. MW = 38 kDa.
Species	Human
Source	Sf9 Cells
Description	p33ING1 displays characteristics of a tumour 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. 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 tumour suppressor gene whose inactivation may contribute to the development of cancers.
Sequence	Full-length.
Applications	Western Blot.
Storage And Stability	Store product at -70℃. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable

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	performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	ING1 inhibitor of growth family, member 1 [Homo sapiens]
Synonyms	ING1; inhibitor of growth family, member 1; p33; p47; p33ING1; p24ING1c; p33ING1b; p47ING1a; growth inhibitor ING1; tumor suppressor ING1; growth inhibitory protein ING1; inhibitor of growth 1; Inhibitor of growth protein 1; OTTHUMP00000018703; OTTHUMP00000018704; OTTHUMP00000018705; OTTHUMP00000018706
Gene ID	3621
mRNA Refseq	NM_005537
Protein Refseq	NP_005528
MIM	601566
UniProt ID	Q9UK53
Chromosome Location	13q34
Function	metal ion binding; molecular_function; protein binding; transcription activator activity; zinc ion binding

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