

# Recombinant Human ING1

**Cat. No.** ING1-28775TH    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human ING1, isoform 2 with a N terminal proprietary tag: Predicted MW 56.76 kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	279 amino acids
<b>Description</b>	This gene encodes a tumor suppressor protein that can induce cell growth arrest and apoptosis. The encoded protein is a nuclear protein that physically interacts with the tumor suppressor protein TP53 and is a component of the p53 signaling pathway. Reduced expression and rearrangement of this gene have been detected in various cancers. Multiple alternatively spliced transcript variants encoding distinct isoforms have been reported.
<b>Molecular Weight</b>	56.760kDa inclusive of tags
<b>Tissue specificity</b>	Isoform 2 was expressed in all normal tissues and cells examined, as well as in all breast cancer and melanoma cell lines examined. Isoform 3 was expressed in testis, liver, and kidney, weakly expressed in colon and brain and not expressed in breast and c
<b>Form</b>	Liquid

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<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	MLSPANGEQLHLVNYVEDYLDSIESLPFDLQRNVSLMREI DAKYQEILKELDECYER FSRETDGAQKRRMLHCVQRALIR SQELGDEKIQIVSQMVENVTRTRQVDSHVELF EAQQELG DTAGNSGKAGADRPKGAAAQADKPNSKRSRRQRNNENRE NASSNH DHDDGASGTPKEKKAKTSKSKKRSKAKAEREASP ADLPIDPNEPTYCLCNQVSYGE MIGCDNDECPIEWFHFSC VGLNHKPKGKWYCPKCRGENEKTMDKALEKSKKERAY NR
<b>Sequence Similarities</b>	Belongs to the ING family. Contains 1 PHD-type zinc finger.

## GENE INFORMATION

<b>Gene Name</b>	ING1 inhibitor of growth family, member 1 [ Homo sapiens ]
<b>Official Symbol</b>	ING1
<b>Synonyms</b>	ING1; inhibitor of growth family, member 1; inhibitor of growth protein 1; growth inhibitor ING1; growth inhibitory protein ING1; inhibitor of growth 1; p24ING1c; p33; p33ING1; p33ING1b; p47; p47ING1a; tumor suppressor ING1;
<b>Gene ID</b>	3621
<b>mRNA Refseq</b>	NM_198217

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<b>Protein Refseq</b>	NP_937860
<b>MIM</b>	601566
<b>Uniprot ID</b>	Q9UK53
<b>Chromosome Location</b>	13q34
<b>Pathway</b>	Senescence and Autophagy, organism-specific biosystem;
<b>Function</b>	metal ion binding; methylated histone residue binding; zinc ion binding;

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