Recombinant Human ING1

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

SPECIFICATION

Product Overview	Recombinant full length Human ING1, isoform 2 with a N terminal proprietary tag: Predicted MW 56.76 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	279 amino acids
Description	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.
Molecular Weight	56.760kDa inclusive of tags
Tissue specificity	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
Form	Liquid

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

GENE INFORMATION

Gene Name	ING1 inhibitor of growth family, member 1 [Homo sapiens]
Official Symbol	ING1
Synonyms	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;
Gene ID	3621
mRNA Refseq	NM_198217

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

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