

Product datasheet for **SC106471**

ING1 (AF181850) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ING1 (AF181850) Human Untagged Clone
Tag:	Tag Free
Symbol:	ING1
Synonyms:	p24ING1c; p33; p33ING1; p33ING1b; p47; p47ING1a
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AF181850, the custom clone sequence may differ by one or more nucleotides

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ATGTTGAGTCCTGCCAACGGGGAGCAGCTCCACCTGGTGAACATGTGGAGGACTACCTGGACTCCATCG
AGTCCCTGCCTTTGCGACTTGCGAGAGAAATGTCTCGCTGATGCGGGAGATCGACGCGAAATACCAAGAGAT
CCTGAAGGAGCTAGACGAGTGCTACGAGCGCTTACGTCGCGAGACAGACGGGGCGCAGAAGCGGGCGGATG
CTGCACTGTGTGCAGCGCGCTGATCCGCGAGCCAGGAGCTGGGCGACGAGAAGATCCAGATCGTGAGCC
AGATGGTGGAGCTGGTGGAGAACCACGCGCGCAGGTGGACAGCCACGTGGAGCTGTTGAGGGCGCAGCA
GGAGCTGGGCGACACAGCGGGCAACAGCGGCAAGGCTGGCGCGGACAGGCCAAAGGCGAGGCGGCAGCG
CAGGCTGACAAGCCAAACAGCAAGCGCTCACGGCGGCAGCGCAACAACGAGAACCGTGAGAACCGCTCCA
GCAACCACGACCACGACGACGGCGCCTCGGGCACACCCAAAGGAGAAGAAGGCCAAGACCTCCAAGAAGAA
GAAGCGCTCCAAGGCCAAGGCGGAGCGAGAGGCGTCCCCTGCCGACCTCCCCATCGACCCCAACGAACCC
ACGTA CTGTGTGCAACCAGGTCTCTATGGGGAGATGATCGGCTGCGACAACGACGAGTGCCCATCG
AGTGGTCCACTTCTCGTGCGTGGGGCTCAATCATAAACCAAGGGCAAGTGGTACTGTCCCAAGTGCCG
GGGGGAGAACGAGAAGACCATGGACAAAGCCCTGGAGAAATCCAAAAAGAGAGGGCTTACAACAGGTAG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for AF181850 unedited</p> <pre> CCCCATTCGGAATTTGTATACGACTCACTATAGGCGGCCGCGNAATCGGCACCAGGNACA AGTGCGGCTCGGCGGCCAGCGGAGCGGCCCTTCCCCTGCCCCCTCCGCTCCTCTCTT CTACCCAGCCCAGTGGGCGAGTGGGCGAGCGGCCGCGCGCTGGGCCCTCCTCCGCCG GTGTGTGCGCGCTCGTACGCGCGCCCCCGGCCAGCCCCGCGCTGAGAGGGGGCT GCGCCCGCGGGGGCGTGCGCCGGGAGCCACCGCCACCGCGCCCGGCCCTCAGGC GCTGGGGTCCCCGCGGACCCGGAGGCGGGGACGGGCTCGGCAGATGTAGCCCGGGCC GAAGCAGGAGCCGCGGGGGGCCCGGAGAGCGAGGGCTTTGCATTTTGCAGTGCTAT TTTTTGAGGGGGCGGGGGTGGAGGAAGCGAAAGCCGCGCGAGTCGCGGGGACCTC CGGGGTGAACCATGTTGAGTCTGCCAACGGGAGCAGCTCCACCTGGTGAACATGTGG AGGACTACCTGGACTCCATCGAGTCCCTGCCTTTCGACTTGACAGAGAAATGTCTCGCTGA TGCGGGAGATCGACGCGAAATACCAAGGATCCTGAAGGAGCTAGACGAGTGCTACGAGC GCTTTAGTCGCGAGACAGACGGGGCGACAAGCGCGGATGCTGCACTGTGTGACGCGG CGCTGATCCGACCCAGGAGCTGGGCGACGAGAAGATCCAGATCGTGAGCCACATGGTGG AACTTGTGTAGCACCGTACGCGCGAGGTGACAGCCTACTGGAGCTGTTGAGGCCCA CAGGAGCTGGGCGACCCACGGGACCCCGGCGAGGCTGGCCCGCGGCCCAAGCAAGC TGCCATTCG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for AF181850 unedited</p> <pre> TTATAGGTCTATTATGNACCCGGCCGATACNATGATCGGTTTTTTTTTTTTTTTTTTTGT TGGATCAAACCTATTTTGTAGTTTCTAAAAGCTGATCCACAGACACTTTCTTGTACACG TGTACCAATGAAAACAAAAGGCAACAGAATCACTGCCATCCCTATGAAAGGAATGGTTC CTTTTCTAACATTCTTTAAAAATATACATTTTACTCCTTGACCTCAACAAAGGCAGC AATGTAATAAATACACGTTTATTTTGTCTCCTCACACCAGGCGCTGTCCACAAACTA CCTGTTGTAAGCCCTCTTTTTTGGATTCTCCAGGGCTTTGTCCATGGTCTTCTCGTT CTCCCCCGGCACCTGGGACAGTACCACTTGCCCTGGGTTTATGATTGAGCCCCACGCA CGAGAAGTGAACCACTCGATGGGGCACTCGTCTGTTGTCGAGCCGATCATCTCCCATA GGAGACCTGGTTGCACAGACAGTACGTGGGTTCTGTTGGGTCGATGGGGAGGTCGGCAGG GGACGCCTCTCGCTCCGCTTGGCCTTGGAGCGCTTCTTCTTGGAGGTCTTGGCCTT CTTCTCCTTGGGTGTGCCGAAGCGCCGTCGTCGTGGTGGTGTGCTGGACGCGTTCTC ACGGTTCTCGTTGTTGCGCTGCCGCCGTGAGCGCTTGTGTTGGGCTTGTAAACCTGAGC TGGCGCCTCGCCTTTGGGCTGTCCGCGCCAGCCTTGCCGCTGTTGCCCTGTGTTGGC CCTCCTGCTGCGCCCTCAACAACTTCAAGTGGCTGGCCACTGCCGGGTGCCGTTCTT CACCAACTCCAACAT</pre>
Restriction Sites:	NotI-NotI
ACCN:	AF181850
Insert Size:	1500 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [AF181850.1](#), [AAF07921.1](#)

RefSeq Size: 2897 bp

RefSeq ORF: 840 bp

Locus ID: 3621

Cytogenetics: 13q34

Domains: PHD

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: 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. [provided by RefSeq, Jul 2008]