

Product datasheet for **SC307651**

ING1 (NM_198217) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ING1 (NM_198217) Human Untagged Clone
Tag:	Tag Free
Symbol:	ING1
Synonyms:	p24ING1c; p33; p33ING1; p33ING1b; p47; p47ING1a
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_198217, the custom clone sequence may differ by one or more nucleotides ATGGAGATCCTGAAGGAGCTAGACGAGTGTACGAGCGCTTCAGTCGCGAGACAGACGGG GCGCAGAAGCGCGGATGCTGCACTGTGTGCAGCGCGCTGATCCGCAGCCAGGAGCTG GGCGACGAGAAGATCCAGATCGTGAGCCAGATGGTGGAGCTGGTGGAGAACCGCACGCGG CAGGTGGACAGCCACGTGGAGCTGTTTCGAGGCGCAGCAGGAGCTGGGCGACACAGCGGGC AACAGCGCAAGGCTGGCGGGACAGGCCAAAGGCGAGGCGGCAGCGCAGGCTGACAAG CCCAACAGCAAGCGCTCACGGCGGCAGCGCAACAACGAGAACCGTGAGAACGCGTCCAGC AACCACGACCACGACGACGGCGCCTCGGGCACACCCAAGGAGAAGAAGGCCAAGACTCC AAGAAGAAGAAGCGTCCAAGGCCAAGGCGGAGCGAGAGCGTCCCTGCCGACCTCCCC ATCGACCCCAACGAACCCACGTACTGTCTGTGCAACCAGGTCTCCTATGGGGAGATGATC GGCTGCGACAACGACGAGTGCCCATCGAGTGGTCCACTTCTCGTGCCTGGGGCTCAAT CATAAACCCAAGGGCAAGTGGTACTGTCCCAAGTGCCGGGGGAGAACGAGAAGACCATG GACAAAGCCCTGGAGAAATCCAAAAAGAGAGGGCTTACAACAGGTAG
Restriction Sites:	Please inquire
ACCN:	NM_198217
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).



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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: [NM_198217.1](#), [NP_937860.1](#)

RefSeq Size: 2131 bp

RefSeq ORF: 708 bp

Locus ID: 3621

UniProt ID: [Q9UK53](#)

Cytogenetics: 13q34

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]

Transcript Variant: This variant (3) differs in the 5' end-region, which includes part of the coding region, compared to variant 4. The resulting isoform (C) has a shorter N-terminus, as compared to isoform D.