

Product datasheet for SC124139

ING1 (NM_198219) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ING1 (NM_198219) 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:	>OriGene ORF within SC124139 sequence for NM_198219 edited (data generated by NextGen Sequencing)

```

ATGTTGAGTCCTGCCAACGGGGAGCAGCTCCACCTGGTGAACATGTGGAGGACTACCTG
GACTCCATCGAGTCCCTGCCTTTGACTTGCAGAGAAATGTCTCGCTGATGCGGGAGATC
GACGCGAAATACCAAGAGATCCTGAAGGAGCTAGACGAGTGCTACGAGCGCTTCAGTCGC
GAGACAGACGGGGCGCAGAAGCGGCGGATGCTGCACTGTGTGCAGCGCGCTGATCCGC
AGCCAGGAGCTGGGCGACGAGAAGATCCAGATCGTGAGCCAGATGGTGGAGCTGGTGGAG
AACCGCACGCGGCAGGTGGACAGCCACGTGGAGCTGTTTCGAGGCGCAGCAGGAGCTGGGC
GACACAGCGGGCAACAGCGGCAAGGCTGGCGCGGACAGGCCAAAGGCGAGGCGGCAGCG
CAGGCTGACAAGCCCAACAGCAAGCGCTCACGGCGGCAGCGCAACAACGAGAACCCTGAG
AACGCGTCCAGCAACCACGACCAGCAGCAGCGGCCTCGGGCACACCCAAGGAGAAGAAG
GCCAAGACCTCCAAGAAGAAGAAGCGCTCCAAGGCCAAGGCGGAGCGAGAGGCGTCCCCT
GCCGACCTCCCCATCGACCCCAACGAACCCACGTACTGTCTGTGCAACCAGGTCTCCTAT
GGGGAGATGATCGGCTGCGACAACGACGAGTGCCCATCGAGTGGTTCCACTTCTCGTGC
GTGGGGCTCAATCATAAACCCAAGGGCAAGTGGTACTGTCCCAAGTGCCGGGGGAGAAC
GAGAAGACCATGGACAAAGCCCTGGAGAAATCCAAAAAAGAGAGGGCTTACAACAGGTAG

```

Clone variation with respect to NM_198219.1



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_198219 unedited
 CGTCANAATTTGTATACGACTCATATAGGCGGCCGGAATTCGCACGAGCTGATGTTTCC
 CAGTGTTTGAACTGGTATTTGGGTTTTCCACGTTGGACAAGTCCGGCTCGGCGGCCAGC
 GGAGCGCGCCCTTCCCCTGCCCCTCCGCTCCTCTCTTCTACCCAGCCAGTGGGCGA
 GTGGGCAGCGCGCCGCGCGCTGGGCCCTCTCCCGCGGTGTGTGCGCGCTCGTACGC
 GCGGCCCCCGGCCAGCCCCCGCCCTGAGAGGGGGCTGCGCCGCGCGCGGGCGTG
 CGCCCGGAGCCACCGCCACCGCGGCCCGCCCTCAGGCGCTGGGGTCCCGCGGACCC
 GGAGCGCGGACGGGCTCGGCAGATGTAGCCCGGGCCGAAGCAGGAGCCGGCGGGG
 GCGCCCGGAGAGCGAGGGCTTTGCATTTTGCAGTGCTATTTTTTGGGGGGCGGGGG
 TGGAGGAAGCGGANAGCCGCGCCGAGTCGCGGGGACCTCCGGGTGAACCATGTTGAGT
 CCTGCCAACGGGAGCAGCTCCACCTGGTGAACATGTGGAGGACTACCTGGACTCCATC
 GAGTCCTGGGCTTTCGACTTGCAGAGAAAAGGCTCGTGATGCGGGAGATCAACCCCAA
 TACCAAGAGATCCGAAGGGACCTAAAAAGGCCAAAAACGCCTTAATTCGAAAAAAC
 GGGCCAAAAACCGCAAGCTGAATGGGGCACCGCGCCCTTATCCGACCAGAACTGG
 GACAAAAAATCCAATTGGAGCCAAAGGGGAACCGGGGAAAACCAACCGGAAGTGAA
 ACAAGTGAACCTGTTAGGCGCAAAAGACTGGGGGAACAAGAGAAAAAATATGTGATTGC
 T

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_198219 unedited
 CTTCCACGGCCAGGAGAGGCACTGGGGAGGGGTACAGGGATGCCACCCGGGATCTGTTCC
 AGGAAACAGCTATGACCGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTT
 TTTTTTGGTCCGCTGAACTTTATTTATGGACTAGAAATTTAACTTCATATAATGT
 TCAAACAGATGGTGGGCTGAACTTGACAAGTGGGCAGTAATTTCTGACCCAGGGTCTGA
 ATACAGATTCTTTTTGACACGATTTATTTGCTGGCAATTAAGTAACTTCTACTTCATT
 ATTAATAATAAGTGAGAACAAATAACAAAATTTGCTTAAGGCTTTGTCTAAATTGCTGG
 TGTATAAATTTTTAAGACAAATTTAAAAGTTACTTATGTCAAAATTAATATACTACTA
 GAGGAACAACTGGCCAAGTTTCATTTATTTCTTACGTAACATTTTTACAGCTCACATA
 CAGCAGGAAGCACACCTTTGCACATAATTGTGACATTAGCTTCAACAGCATCTGCTGA
 CTGCACTTCCAATTATAATAACAAGTGAAGTTCATTTGAAATGTACATTTATACAC
 CTGATATAAATTAAGATGGGTACACTATGATTGGTGATAGCAAAAGCATGACTTGAGGT
 TCCTTGACTAGACCACTTAAGAGAAGTGTACCCAAGCATTTTTAAATGG

Restriction Sites:

Please inquire

ACCN:

NM_198219

Insert Size:

2800 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: [NM_198219.1, NP_937862.1](#)

RefSeq Size: 2897 bp

RefSeq ORF: 840 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 (1) differs in the 5' end-region, which includes part of the coding region, compared to variant 4. The resulting isoform (A) has a distinct and shorter N-terminus, as compared to isoform D.