

Product datasheet for **SC119136**

ING2 (NM_001564) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ING2 (NM_001564) Human Untagged Clone
Tag:	Tag Free
Symbol:	ING2
Synonyms:	ING1L; p33ING2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001564, the custom clone sequence may differ by one or more nucleotides

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ATGTTAGGGCAGCAGCAGCAGCAACTGTACTCGTCGGCCGCGCTCCTGACCGGGAGCGGAGCCGGCTGC
TCACCTGCTACGTGCAGGACTACCTTGAGTGCCTGGAGTCGCTGCCCCACGACATGCAGAGGAACGTGTC
TGTGCTGCGAGAGCTGGACAACAAATATCAAGAAACGTTAAAGGAAATTGATGATGTCTACGAAAAATAT
AAGAAAGAAGATGATTTAAACCAGAAGAAACGTCTACAGCAGCTTCTCCAGAGAGCACTAATTAATAGTC
AAGAATTGGGAGATGAAAAAATACAGATTGTTACACAAATGCTCGAATTGGTGGAAAATCGGGCAAGACA
AATGGAGTTACACTCACAGTGTTTCCAAGATCCTGCTGAAAGTGAACGAGCCTCAGATAAGCAAAGATG
GATTCCAGCCAACCAGAAAGATCTTCAAGAAGACCCCGCAGGCAGCGGACCAGTAAAGCCGTGATTTAT
GTCACATGGCAAATGGGATTGAAGACTGTGATGATCAGCCACCTAAAGAAAAGAAATCCAAGTCAGCAAA
GAAAAAGAAACGCTCCAAGGCCAAGCAGGAAAGGGAAGCTTACCTGTTGAGTTTGAATAGATCCTAAT
GAACCTACATACTGCTTATGCAACCAAGTGCTTATGGGGAGATGATAGGATGTGACAATGAACAGTGTC
CAATTGAATGGTTTCACTTTTTCATGTGTTTCACTTACCTATAAACCAAAGGGGAAATGGTATTGCCAAA
GTGCAGGGGAGATAATGAGAAAACAATGGACAAAAGTACTGAAAAGACAAAAAAGGATAGAAGATCGAGG
TAG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001564 unedited</p> <pre>GGGTTCANATTTGTATACGACTCATATAGGCGGCCGCAAATTCGCACGAGGCGCCCTG GGCTGGTGTCTGCGGGGCGGGGAGTGAGGGCTGCTCTGGGGGAGTGGAGATCGGGGAGC GCGGCCGTGCCCTCTCGAGCGGCTGCGGGGTCCCCGCGGCGCCGGGTGCTGAGCTGAGG GCCCCGCGCGGCCGCGGCCGGTGCATGTGCGGCTGCTGGATGCGGAGGCGGCGGCGACGG CGCGGATCGGCAGGATGTTAGGGCAGCAGCAGCAACTGTACTCGTGGCTGCGTCC TGACCGGGGAGCGGAGCCGGCTGCTCACCTGCTACGTGCAGGACTACCTTGAGTGGCTGG AGTCGCTGCCCCACGACATGCAGAGGAACGTGTCTGTGCTGCGAGAGCTGGACAACAAAT ATCAAGAAACGTTAAAGGAAATTGATGATGTCTACGAAAAATATAAGAAAGAAAGATGATT TAAACCAGAAGAAACGTCTACAGCAGCTTCTCCAGAGAGCACTAATTAATAGTCAAGAAT TGGGAGATGAAAAATACAGATTGTTACACAAATGCTCGAATTGGTGAAAAATCGGGCAA GACAAATGGAGTTACACTCACAGTGTTC AAGATCCTGCTGAAAGTGAACGAGCCTCAG ATAAAGCAAAGATGGATTCCAGCCAACCCAGAAAGATCTTCAAGAAGACCCCGNAGCAGC GGACCAGTGAAAGCCGTGATTTATGTCACATGGCANATGGGATTGAAGACTGTGATGATC AGCCACCTAAAGAAAAGAATCCAAGTCAGCAAAGAAAAAGAACGTCNAGGCCAAAGCAG AAGGGGAGCCNCACCTGTTGAGTTTGCATAGATCCTATGAACCTCATACTGCTATGCAAC CAGTGTCTATGGNGAGATGATAGATGTGACATGAACA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' genomic read for NM_001564 unedited</p> <pre>TCAGCTATGNACGCGGCCGAATCTATGATCGGTTTTTTTTTTTTTTTTTAAATCAAAAA GAACAGAAATCATCAGATTAGGAAGAAATGAGGAATAAAACATACGTTACACACAGATTTA AAGAACTAGTCAATCTGCTGCCCCAAAACCAAACCTTCTCTAAACATATGGACATATA TCCATCAAGATGCTTACCCTTCAAATATCAGAATCTTGAAAAATCAATTTACAAATACA TTAATTGCATTATGATGATGAAATAAGTTAATTAATGTGAAAACATCAAACAGCACCAA TACTAGAAGTTAAGACAGTAAATACACTATTATTTAAAATAGTCACTGATTGGGACAGAA ATGAACAATAACCACTAGCAAAACCATTTAAAACAACCTCTGACATAAAGGCAATATTT AAAGACTACTATATGCCCTTTCCACTGATAGGCTGTGGCTACGCATCCTGGCAGCAGG TCACATGGAAAATACTATTAATTAAGATGTATTTTTAAATTTGTTCAACCTTGAGCCGTGA TACTATATAACCCAAAGTTTGCCAATGTAAGCCAATGTATTTTTGGTATGCTAACTAC TCTTACCTGTCCCAATTAAGAAAACACAAAACAACCTCCCTTATTAAGCACTAGACTAA GTATATCTACNAAGCAGCAGCAAGGCATTGACAAATGGGCTACTGACAGTGGATCANAAT GCTACTAAGCAAAGACAGCAGCAGTACTCTCATAAGAGCATTATTCCACATGGAATC CCAAATTACTCTTATCTNCAAGTTCCTGTAACCTCCTAGNAGACTAGAGATGAACCGCCAA CGTATAAATAGGACTAGGGGAAAACAGCTCANATGGCATANTGTCTGTTTTTAAAGTACC CCAGATCATTGATG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_001564
Insert Size:	2250 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:	<ol style="list-style-type: none">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_001564.2 , NP_001555.1
RefSeq Size:	1135 bp
RefSeq ORF:	843 bp
Locus ID:	3622
UniProt ID:	Q9H160
Cytogenetics:	4q35.1
Domains:	PHD
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>This gene is a member of the inhibitor of growth (ING) family. Members of the ING family associate with and modulate the activity of histone acetyltransferase (HAT) and histone deacetylase (HDAC) complexes and function in DNA repair and apoptosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>