

## Product datasheet for MC226139

### Ing1 (NM\_001302460) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ing1 (NM\_001302460) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ing1  
**Synonyms:** 2610028J21Rik; AA407184; A1875420; mING1h; p33Ing1; p37Ing1b  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226139 representing NM\_001302460  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTGGAGCTGGTGGAGAACCAGCAGCAGAGGTGGACAGTCACGTGGAGCTCTCGAAGCACACCAGG  
 ACATCAGTGACGGCACTGGTGGCAGCGCAAGGCGGGCCAGGACAAGTGAAGAGTGAGGCCATCACACA  
 GGCAGATAAGCCGAATAACAAGCGGTCCAGGAGGCAGCGAAACAATGAGAATCGAGAGAACGCGTGAAT  
 AATCACGACCATGATGACATCACCTCAGGAACGCCAAGGAGAAGAAAGCAAAAACCTCAAAGAAGAAGA  
 AACGCTCCAAGGCCAAAGCAGAGAGGGAAGCGTCTCCTGCCGACCTCCCATCGACCCCAACGAGCCAC  
 GACTGTCTGTGCAACCAGGTCTCTACGGGGAGATGATCGGCTGTGACAACGACGAATGCCCATCGAG  
 TGGTCCACTTCTCCTGCGTGGGGCTCAACCAAAACCAAGGGCAAGTGGTACTGCCCAAGTGCCGTG  
 GGGAGAGCGAGAAGACCATGGACAAAGCCCTGGAGAAGTCCAAGAAAGAGAGGGCTTACAACAGG**TAG**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII  
**ACCN:** NM\_001302460  
**Insert Size:** 558 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).



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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001302460.1</a></u> , <u><a href="#">NP_001289389.1</a></u>
<b>RefSeq Size:</b>	1980 bp
<b>RefSeq ORF:</b>	558 bp
<b>Locus ID:</b>	26356
<b>UniProt ID:</b>	<u><a href="#">Q9QXV3</a></u>
<b>Cytogenetics:</b>	8 A1.1
<b>Gene Summary:</b>	<p>Isoform 1 inhibits p53-dependent transcriptional activation and may function as an oncoprotein. Isoform 2 acts as a negative growth regulator by cooperating with p53 in transcriptional activation of p53-responsive genes and may act as a tumor suppressor. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (6) uses an upstream alternate 5' terminal exon and lacks an exon in the 5' region, which results in the use of a downstream start codon, compared to variant 1. It encodes isoform 3, which has a shorter N-terminus, compared to isoform 1. Variant 3, 4, 5 and 6 encode the same protein.</p>