

Product datasheet for **MR228347**

Ing1 (NM_001302457) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ing1 (NM_001302457) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ing1
Synonyms: 2610028J21Rik; AA407184; AI875420; mING1h; p33Ing1; p37Ing1b
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228347 representing NM_001302457
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGTGGAGCTGGTGGAGAACCGCAGCAGACAGGTGGACAGTCACGTGGAGCTCTTGAAGCACACCAGG
ACATCAGTGACGGCACTGGTGGCAGCGCAAGGCGGGCCAGGACAAGTCGAAGAGTGAGGCCATCACACA
GGCAGATAAGCCGAATAACAAGCGGTCCAGGAGGCAGCGAAACAATGAGAATCGAGAGAACGCGTCGAAT
AATCACGACCATGATGACATCACCTCAGGAACGCCCAAGGAGAAGAAAGCAAAACCTCAAAGAAGAAGA
AACGCTCAAGGCCAAAGCAGAGAGGGAAGCGTCTCCTGCCGACCTTCCCATCGACCCCAACGAGCCAC
GTACTGTCTGTGCAACCAGGTCTCTACGGGGAGATGATCGGCTGTGACAACGACGAATGCCCATCGAG
TGGTTCCACTTCTCCTGCGTGGGCTCAACCATAAACCAAGGGCAAGTGGTACTGCCCAAGTGCCGTG
GGGAGAGCGAGAAGACCATGGACAAAGCCCTGGAGAAGTCCAAGAAAGAGAGGGCTTACAACAGG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228347 representing NM_001302457
Red=Cloning site Green=Tags(s)

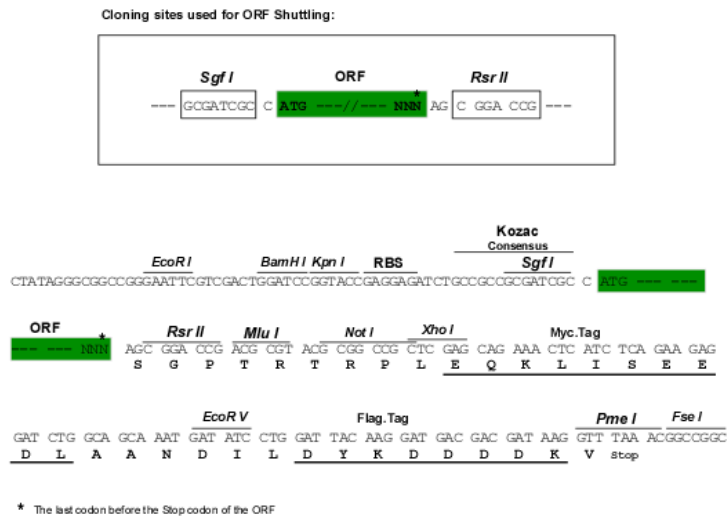
MVELVENRSRQVDSHVELFEAHQDISDGTGGSGKAGQDKSKSEAITQADKPNNKRSRRQRNNENRENASN
 NHDHDDITSGTPKEKKAKTSKKKKRSKAKAEREASPADLPIDPNEPTYCLCNQVSYGEMIGCDNDECPIE
 WFHFSCVGLNHPKPKGWYCPKCRGESEKTMKALEKSKKERAYNR

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII


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Cloning Scheme:



ACCN: NM_001302457

ORF Size: 555 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001302457.1](#), [NP_001289386.1](#)

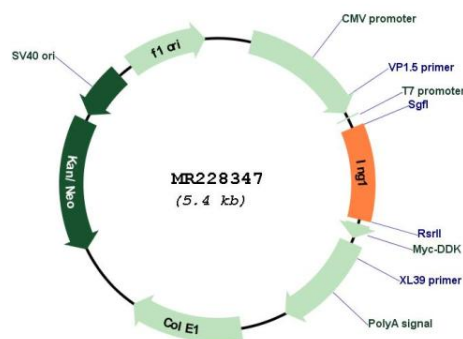
RefSeq Size: 1877 bp

RefSeq ORF: 558 bp

Locus ID: 26356

UniProt ID:	<u>Q9QXV3</u>
Cytogenetics:	8 A1.1
MW:	21.4 kDa
Gene Summary:	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]

Product images:



Circular map for MR228347