

Product datasheet for **MR228348**

Ing1 (NM_001302458) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ing1 (NM_001302458) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ing1
Synonyms: 2610028J21Rik; AA407184; A1875420; mING1h; p33Ing1; p37Ing1b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228348 representing NM_001302458
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTGGAGCTGGTGGAGAACCAGCAGCAGAGGTGGACAGTCACGTGGAGCTCTCGAAGCACACCAGG
ACATCAGTGACGGCACTGGTGGCAGCGCAAGGCGGGCCAGGACAAGTGAAGAGTGAGGCCATCACACA
GGCAGATAAGCCGAATAACAAGCGGTCCAGGAGGCAGCGAAACAATGAGAATCGAGAGAACCGTCAAT
AATCACGACCATGATGACATCACCTCAGGAACGCCAAGGAGAAGAAAGCAAAAACCTCAAGAAGAAGA
AACGCTCCAAGGCCAAAGCAGAGAGGGAAGCGTCTCCTGCCGACCTCCCATCGACCCCAACGAGCCAC
GTAAGTGTCTGTGCAACCAGGTCTCTACGGGGAGATGATCGGCTGTGACAACGACGAATGCCCATCGAG
TGGTCCACTTCTCCTGCGTGGGGCTCAACATAAACCAAGGGCAAGTGGTACTGCCCAAGTGCCGTG
GGGAGAGCGAGAAGACCATGGACAAAGCCCTGGAGAAGTCCAAGAAAGAGAGGGCTTACAACAGG

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >MR228348 representing NM_001302458
Red=Cloning site Green=Tags(s)

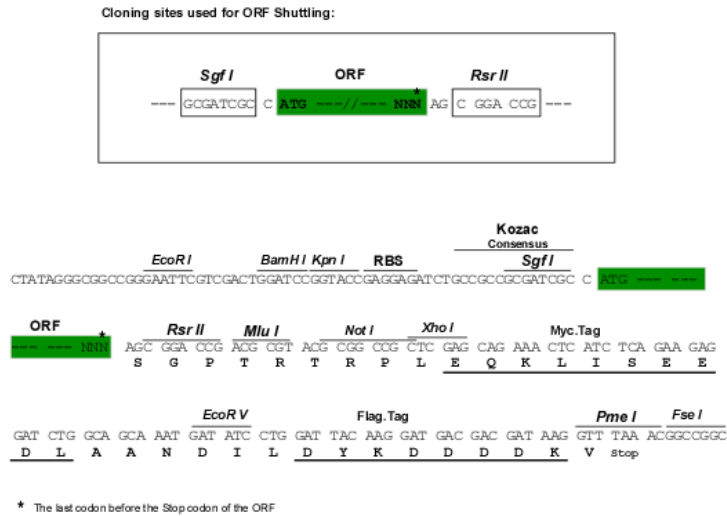
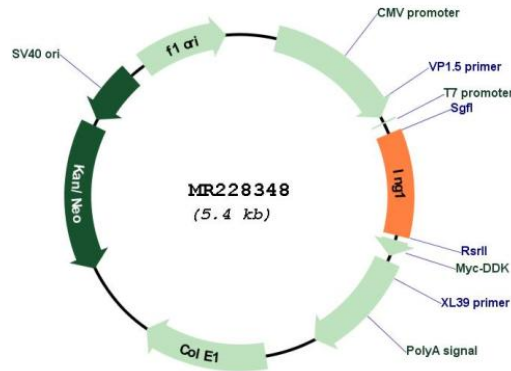
MVELVENRSRQVDSHVELFEAHQDISDGTGGSGKAGQDKSKSEAITQADKPNNKRSRRQRNNENRENASN
NHDHDDITSGTPKEKKAKTSKKKKRSKAKAEREASPADLPIDPNEPTYCLCNQVSYGEMIGCDNDECP
IEWFHFSCVGLNHPKPKGWYCPKCRGESEKTMKALEKSKKERAYNR

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001302458

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:	<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:	<u>NM_001302458.1</u> , <u>NP_001289387.1</u>
RefSeq Size:	2061 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]