

## Product datasheet for MR215664

### Inip (NM\_001013577) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Inip (NM\_001013577) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Inip  
**Synonyms:** 1110054O05Rik; 2610312O17Rik; AA399876; Ssbip1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR215664 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGGATCGCC

ATGGCAGCAAATCCTTCAGGACAAGGTTTTCAAATAAAAATAGAGTTGCAATTTGGCTGAACTGGACA  
 AAGAGAAAAGAAAACACTTATGCAGAACCAATCTTCAACAAGCCACCCTGGAGCTAGCATCTCGCTCTC  
 CAGACCCTCTTTACCAAGGACTTCCGGGACCATGCTGAGCAGCAGCACATCGCTGCCAGCAGAAGGCA  
 GCTTTGCAGCATGCTCAGCACATTCTCTGGCTACTTCATAACTCAAGACTCTGCCTTTGGGAATCTGA  
 TTCTCCCTGTTTTACCTCGCCTTGACCCCGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR215664 protein sequence  
 Red=Cloning site Green=Tags(s)  
 MAANPSGQGFQNKNRVAILAELDKEKRKLLMQNSSTSHPGASISLSRPSLTKDFRDHAEQQHIAAQKA  
 ALQHAHAHSSGYFITQDSAFGNLILPVLPRLDPE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001013577

**ORF Size:** 315 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.

**RefSeq:** [NM\\_001013577.1](#), [NP\\_001013595.1](#)

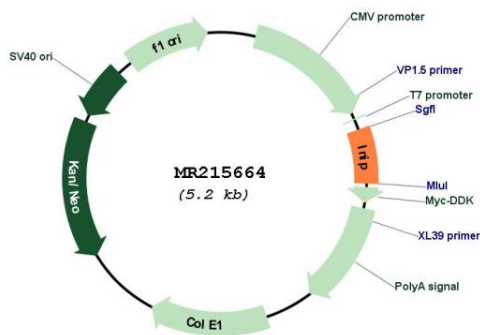
**RefSeq Size:** 3221 bp

**RefSeq ORF:** 315 bp

**Locus ID:** 66209  
**UniProt ID:** [Q3TXT3](#)  
**Cytogenetics:** 4 B3  
**MW:** 11.4 kDa

**Gene Summary:** Component of the SOSS complex, a multiprotein complex that functions downstream of the MRN complex to promote DNA repair and G2/M checkpoint. The SOSS complex associates with single-stranded DNA at DNA lesions and influences diverse endpoints in the cellular DNA damage response including cell-cycle checkpoint activation, recombinational repair and maintenance of genomic stability. Required for efficient homologous recombination-dependent repair of double-strand breaks (DSBs) and ATM-dependent signaling pathways (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR215664