

Product datasheet for MC223092

Inoc1 (BC061495) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inoc1 (BC061495) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Inoc1
Synonyms:	Ino80
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC061495 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCTCGGAGTTGGGTGCCGGGACGATGGCAGCAGCACTGAGCTGGCAAAGCCCTTTATCTTCAGT
ACCTGGAGAGAGCCTTGGGTTGGACCCTTTCTGCGACAACATCAGCCATCTTCAACAGGAATATTTCT
TAGTGATGACAGTGAAGATGGACTGGATGACAATAATCCCTTATTGCCTGAGTCTGGGGATCCCTTAATA
CAAGTAAAAGAAGAGCCTCCAAATTCATTGCTTGGCGAAACCTCTGGAGCAAGCAGTTCTGGGTTGTGA
ACCCATATTCAGTGAACGGCTTCTGCAGTCAGAATCAAAATCTGACAAGGGGAATTTATATAACTTCTC
TAAGTTGAAGAAAAGCAGAAAGTGGCTAAAGAGCATTCTTTAAGTGATGAGTCCAGTGAGGCGAGATTCT
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GATTACACAAATATAAGAACTTCACCAAAATAAATATAGTAAAGATAAGGAGTTGCAGCAGTACCAGTA
CTACAGTGCAGGCCTGCTCTACATACGACCTTTCTATGAGCAACAGCGCCACTTGTGGACCCAAA
AAGAAGAAATCAAGGAAGACAAGAAGCTTAAAGCCAAGTTGAAAAAGTGAAGAAAAAAGAAGACGTG
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TCATGATGCACCTCCCCCTGGCACCAAGAAGAACTTATCCATTGAGCAGCTTAATGCCCGCCGAGG
AAAGTGTGGCTGAGCATCGTGAAAAAGGAACTACCAAGGCCAACAAGCAGAAGTCTTCAGCTCGAACT
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TGCTCATTTTATGAGTCGAAAACGTGATATGGGTGATGATGGAATCCAGGAAGAAATCTTAAGGAACTA
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AACAAAGTCAATTTGATGAAGATGAAAAGAAAGTGGGCGAGCTGCCCTTAGGGCAGCAGACAAGTCTGGC
TCTGGGTTGGGAGAGTTATAGCTTAGCAATCCATCTATCCGGGCCGGTGAGGATATTCGCAACCCA



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CTATTTTCAATGGCAAGTTGAAAGGTTACCAGCTGAAAGGCATGAACTGGTTAGCAAATTTATATGAACA
 GGGTATTAATGGAATCTTGCTGATGAAATGGGTCTTGGTAAAACGTACAGAGCATTGCCCTCCTGGCC
 CATCTGGCTGAGAGAGAAAACATTTGGGGACCTTTCTTAATAATTTACCTGCTTCTACACTTAATAATT
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 AGGTTCTTCTCTCCGTTTGCACCAGATTATATCCAGCAGTCTCTTCCATAGGAAAGGTATTAATGA
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 GGACTTTTGGCCAGGTGGTTAGCTCTTTTCTATCTGAAAAGCCTCCTACAGGCTCCACCAGCTGCGCT
 CTTGGGCAGAGCCGGATGGGACAAGCCATCAGAGCTATCTGAGAAAACAAGGATTTTCTTCTCGGAGTTGA
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 GCCTCCTCACTGAGCTGCCGTCTTTTTGTGTGGCCAGTCCACGAGTACCCGAGTCCCGTGGATTTC
 TTAAGTGTAAAGTGCAGAGTGCAGAGTATGAGAGAGGAGTTCTGAAGGAAGGAGGGAGTCTGGCTGCCAAG
 CAGTGTTTTGTTGAATGGGGCTCCTGAGCTGGCTACGGATTGGCTGAGTCGAGATCCAGTCTTCCCAG
 AGCCAGCTGGAGGGCTGCTGAGCATTAGACCCAGAACGGCTGGTCTTTCATCAGAAATCCAGGCAAGGA
 GAGCCTCATCACTGACAGTGGAAAGCTGTATGCCCTTGATGTCCTGTTGACTCGGCTCAAGTCTCAAGGA
 CATAGGGTCTTATCTACTCTCAGATGACCAGAATGATAGACCTGCTGGAGCTTTCTGTAGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

BC061495

Insert Size:

906 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:

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: [BC061495](#)

RefSeq Size: 4385 bp

RefSeq ORF: 3425 bp

Locus ID: 68142

Cytogenetics: 2 E5

Gene Summary: ATPase component of the chromatin remodeling INO80 complex which is involved in transcriptional regulation, DNA replication and DNA repair. Binds DNA. As part of the INO80 complex, remodels chromatin by shifting nucleosomes. Regulates transcription upon recruitment by YY1 to YY1-activated genes, where it acts as an essential coactivator. Involved in UV-damage excision DNA repair. The contribution to DNA double-strand break repair appears to be largely indirect through transcriptional regulation. Involved in DNA replication. Required for microtubule assembly during mitosis thereby regulating chromosome segregation cycle.[UniProtKB/Swiss-Prot Function]