

Product datasheet for MC206968

AI842396 (BC096427) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AI842396 (BC096427) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	AI842396
Synonyms:	Inca1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC206968 representing BC096427. Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGCCTCAGCCGTATGGAGATGCCTTCTGGGAGAATCTTAGCCAAAGGTCTAGCTCCAATTGGATGGTA
 GAACAGTACATTCCACCAATTCTGAGGGCCACTGATTGCTCCCGCCTAGCCTGCACCCTCTTGAGGGG
 CTCCCTCTCTGAGAAGCTTTGGAGAAGAAAGAGAAAGAAGCTGCATTTGAAAGAATGCAGAAGGGA
 CCTGGAAGCATTCCAGCCCGAGTTAGAGCAGTTACTTATCATCTGGAGGACCTGAGAAGGCGCCAGGGA
 ATCATCAATGAAGAGGGCCAGTGGGCGAGCTCTGATGCTACACCTGAACCTCCAGCACTTGAA
 GAGGGCTTTGAACCTCTAAGCACTACAAAATACTTTGACGTGGAAGAAGAGAGGGCAACCTATCCACAG
 AAAGAGACTTATTCTGTCACTCCAGAGATCAGCTGCTTTGGACTCCCTGGACTCCTGTAGGCCAGCAG
 GGGACTTATGCCTCTGGGCGAGCTAAGCTCTTTGACCTACAGCACTGCTACAGCCAGAAAGAACCCCGTT
 TACGATCCCCAGGCGATGGAGTTGGAGTCTGAGGAG**AG**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	BC096427
Insert Size:	591 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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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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC096427</u>
RefSeq Size:	1299 bp
RefSeq ORF:	590 bp
Locus ID:	103844
Cytogenetics:	11 B3
MW:	22.6 kDa
Gene Summary:	Binds to CDK2-bound cyclins and inhibits the kinase activity of CDK2; binding to cyclins is critical for its function as CDK inhibitor. Inhibits cell growth and proliferation and may play a role in cell cycle control (PubMed:21540187). Required for ING5-mediated regulation of S-phase progression, enhancement of Fas-induced apoptosis and inhibition of cell growth (PubMed:21750715).[UniProtKB/Swiss-Prot Function]