

Product datasheet for MC226216

Inca1 (NM_001252485) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inca1 (NM_001252485) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Inca1
Synonyms:	AI842396
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226216 representing NM_001252485 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTCAGCCGATGGAGATGCCTTCTGGGAGAATCTTAGCCAAAGGTCTAGCTCCAATTGGATGGTAG
AACAGTACATTCCACCAATTCTGAGGGCCACTGATTGCTCCCGGCCTAGCCTGCACCTCTTGAGGGGCT
CCCTCCTCCTGAGAAGCTTTGGAGAAGAAAGAGAAAGAAGCTGCATTTGGAAAGAATGCAGAAGGGACCT
GGAAGCATTCCAGCCCGAGTTAGAGCAGTTACTTATCATCTGGAGGACCTGAGAAGGCCCGCAGGGAATCA
TCAATGAACTGAAGAGGGCCAGTGGGGCAGCTCTGATGCTACACCTGAACTTCCAGCACTTGAAGAGGG
CTTTGAACTCCTAAGCACTACAAAATACTTTGACGTGGAAGAAGAGAGGGCAACCTATCCACAGAAAGAG
ACTTATTCTGCTACTCCCAGAGATCAGCTGCTTTGGACTCCCTGGACTCCTGTAGGCCAGCAGGGGACTT
ATGCCTCTGGGCAGCTAAGCTCTTTGACCTACAGCACTGCTACAGCCAGAAAGAACCCCGTTTACGATCC
CCAGGCGATGGAGTTGGAGTCTGAGGAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001252485
Insert Size:	591 bp


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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001252485.1, NP_001239414.1</u>
RefSeq Size:	1309 bp
RefSeq ORF:	591 bp
Locus ID:	103844
UniProt ID:	<u>Q6PKN7</u>
Cytogenetics:	11 B3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (5) differs in the 5' sequence, which results in a downstream AUG start codon, compared to variant 1. The resulting isoform (2) is shorter at the N-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>