

Product datasheet for **SC328352**

INCA1 (NM_001167985) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	INCA1
Synonyms:	HSD45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328352 representing NM_001167985. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGGTGCAGGATGATGGAGTCAACCTCATCCCCTTGCCAAGTGTTCCAGGGTGGTCAGCCGATCT
CCACCCCAAGGTTGCCTTCCAGAGCCTCAGACCCATGCCCCAGCGTTATGGAGATGTCTTCTGGAAG
AACCTTAATCAAAGGCCACCCCACTTGGCTGGAGGAGCAGCACATTCCACCCATGCTGCTCCACCC
CCTGAAATGCTTTGGAGAAGAAAGAAGAGGAGGCCATGTTTGAAGGAATGCAGCAGCAGGGCCTTGGG
GGAGTCCCCGCCGGGTGAGGGCTGCACTTACCACCTGGAGGACCTAAGAAGGCGTCAGAGCATCATC
AACGAACTGAAGAAGGCCAGTGCGGCGAGCTCTGGGCTGCATCTGAGCCAGTGGTGTGGCGAAGAG
GGCTGTGGATTCCCAGCACCAATGAATACCCTGATCTGGAAGAGGAGAGCAACCTATCCACAGGAA
GAGGACCGTTTTCTACTCCTGGCAGGGCCAGCTGCTTGGTCTCCCTGGAGCCCCTGGATCAGGAG
GAGGCTTGTGCCTCCAGGCAGCTGCACTCTTGGCCTCGTTCAGCACTGTCACAGCCAGAAGGAACCC
CTTCACAATCCCTGGGGATGGAGTTGGCAGCGTCTGAAGAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCGCCGCG
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001167985
Insert Size:	666 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_001167985.1
RefSeq Size:	1242 bp
RefSeq ORF:	666 bp
Locus ID:	388324
UniProt ID:	Q0VD86
Cytogenetics:	17p13.2
MW:	25.2 kDa
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 (PubMed:21540187). Inhibits cell growth and cell proliferation and may play a role in cell cycle control (By similarity). Required for ING5-mediated regulation of S-phase progression, enhancement of Fas-induced apoptosis and inhibition of cell growth (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and uses an alternate in-frame splice site in the coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1. Both variants 3 and 4 encode the same isoform (2).</p>