OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC304727

INCENP (NM_020238) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INCENP (NM_020238) Human Untagged Clone
Tag:	Tag Free
Symbol:	INCENP
Vector:	pCMV6 series

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_020238, the custom clone sequence may differ by one or more nucleotides

ATGGGGACGACGGCCCCAGGGCCCATTCACCTGCTGGAGCTATGTGACCAGAAGCTCATG
GAGTTTCTCTGCAACATGGATAATAAGGACTTGGTGTGGCTTGAGGAAATCCAAGAGGAG
GCCGAGCGCATGTTCACCAGAGAATTCAGCAAAGAGCCAGAGCTGATGCCCAAAACACCT
TCTCAGAAGAACCGACGGAAGAAGAGACGGATTTCTTATGTTCAGGATGAAAACAGAGAT
CCCATCAGGAGAAGGTTATCCCGCAGAAAGTCTCGGAGCAGCCAGCTGAGCTCCCGACGC
CTCCGCAGCAAGGACAGTGTAGAGAAGCTGGCTACAGTGGTCGGGGAGAACGGCTCCGTC
CTGCGGCGTGTGACCCGTGCTGCGGCTGCAGCTGCCGCGGCTACCATGGCATTGGCTGCA
CCTTCTTCACCCACCCCTGAGTCTCCCACGATGCTGACTAAGAAGCCCGAGGATAACCAC
ACCCAGTGCCAGCTGGTGCCTGTGGTGGAGATCGGCATCAGTGAGCGCCAGAATGCTGAG
CAGCATGTCACCCAGCTCATGTCCACCGAGCCTCTGCCCCGCACTCTGTCCCCGACTCCA
GCTTCAGCCACAGCTCCAACCTCCCAGGGCATCCCGACATCAGATGAGGAATCAACACCT
AAGAAGTCGAAGGCCAGGATACTGGAGTCCATCACAGTGAGCTCCCTGATGGCTACACCC
CAGGACCCCAAGGGTCAAGGGGTCGGGACGGGGCGGTCTGCGTCTAAGCTCAGGATTGCG
CAGGTCTCCCCTGGCCCACGGGACTCGCCAGCCTTTCCAGATTCTCCATGGCGGGAGCGG
GTGCTGGCTCCCATCCTGCCGGATAACTTCTCCACGCCCACGGGCTCTCGCACGGACTCT
CAATCGGTGCGGCACAGCCCGATCGCCCCGTCTTCCCCGAGTCCCCAAGTCTTAGCCCAG
AAGTACTCTCTGGTGGCCAAACAGGAAAGTGTTGTCCGCAGGGCGAGCAGAAGGCTTGCC
AAGAAGACTGCCGAAGAGCCAGCTGCCTCTGGCCGCATCATCTGTCACAGTTACCTGGAG
AGGCTCCTGAATGTTGAGGTGCCCCAGAAAGTTGGTTCTGAGCAGAAGGAACCCCCCGAG
GAGGCTGAGCCTGTGGCGGCAGCTGAGCCAGAGGTCCCTGAGAACAATGGAAATAACTCG
TGGCCCCACAATGACACGGAGATTGCCAACAGCACACCCAACCCGAAGCCTGCAGCCAGC
AGCCCGGAAACACCCTCTGCAGGGCAGCAAGAGGCCAAGACGGACCAAGCAGATGGACCC
AGAGAGCCACCGCAGAGTGCCAGGAGGAAGCGCAGCTACAAGCAGGCCGTGAGTGAGCTG
GACGAGGAGCAGCACCTGGAGGATGAGGAGCTGCAGCCCCCCAGGAGCAAGACCCCTTCC
TCACCCTGCCCAGCCAGCAAGGTGGTACGGCCCCTCCGGACCTTTCTGCACACAGTGCAG
AGGAACCAGATGCTCATGACCCCGACCTCAGCCCCACGCAGCGTCATGAAGTCCTTTATT
AAGCGCAACACTCCCCTGCGCATGGACCCCAAGGAGAAGGAGCGGCAGCGCCTGGAGAAT
CTGCGGCGGAAGGAGGAGGCCGAGCAGCTGCGCAGGCAGAAGGTGGAGGAGGACAAGCGG
CGGCGGCTGGAGGAGGTGAAGCTGAAGCGTGAGGAACGCCTCCGCAAGGTGCTGCAGGCC
CGCGAGCGGGTGGAGCAGATGAAGGAGGAGAAGAAGAAGCAGATTGAGCAGAAGTTTGCT
CAGATCGACGAGAAGACTGAGAAGGCCAAGGAGGAGCGGCTGGCAGAGGAGAAGGCCAAG
AAAAAGGCGGCGGCCAAGAAGATGGAGGAGGTGGAAGCACGCAGGAAGCAGGAAGAGGAG
GCACGTAGGCTCAGGTGGCTGCAGCAGGAGGAGGAAGAGCGGCGGCACCAAGAGCTGCTG
CAGAAGAAGAAGGAAGAGGAGCAGGAGCGGCTGCGGAAGGCGGCCGAGGCTAAGCGGCTG
GCAGAGCAGCGGGAGCAGGAGCGGCGGGAGCAGGAGCGGCGCGAGCAGGAGCGGCGCGAG
CAGGAGCGGCGGGAGCAGGAGCGGCGCGAGCAGGAGCGACAGCTGGCAGAGCAGGAGCGT
CGGCGGGAGCAGGAGCGGCTCCAGGCCGAGAGGGAGCTGCAGGAGCGGGAGAAGGCCCTG
CGGCTGCAGAAGGAGCAGCTGCAGAGGGAACTGGAGGAGAAGAAGAAGAAGGAAGAGCAG
CAGCGTCTGGCTGAGCGGCAGCTGCAGGAGGAGCAAGAGAAGAAAGCCAAGGAGGCAGCA
GGGGCCAGCAAGGCCCTGAATGTGACTGTGGACGTGCAGTCTCCAGCTTGTACCTCATAT
CAGATGACTCCGCAAGGGCACAGGGCCCCTCCCAAGATCAACCCAGATAACTACGGGATG
GATCTGAATAGCGACGACTCCACCGATGATGAGGCCCATCCCCGGAAGCCCATCCCCACC
TGGGCCCGAGGCACCCCGCTCAGCCAGGCTATCATTCACCAGTACTACCACCCACCGAAC
CTTCTGGAGCTCTTTGGAACCATTCTCCCACTGGACTTGGAGGATATCTTCAAGAAGAGC
AAGCCCCGCTATCACAAGCGCACCAGCTCTGCTGTCTGGAACTCACCGCCCCTGCAGGGC
GCCAGGGTCCCCAGCAGCCTGGCCTACAGCCTGAAGAAGCACTGA

Restriction Sites: Please inquire

ACCN: NM_020238

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:	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_020238.1, NP_064623.1
RefSeq Size:	3536 bp
RefSeq ORF:	2760 bp
Locus ID:	3619
UniProt ID:	Q9NQS7
Cytogenetics:	11q12.3
Protein Families:	Druggable Genome

Gene Summary: In mammalian cells, 2 broad groups of centromere-interacting proteins have been described: constitutively binding centromere proteins and 'passenger,' or transiently interacting, proteins (reviewed by Choo, 1997). The constitutive proteins include CENPA (centromere protein A; MIM 117139), CENPB (MIM 117140), CENPC1 (MIM 117141), and CENPD (MIM 117142). The term 'passenger proteins' encompasses a broad collection of proteins that localize to the centromere during specific stages of the cell cycle (Earnshaw and Mackay, 1994 [PubMed 8088460]). These include CENPE (MIM 117143); MCAK (MIM 604538); KID (MIM 603213); cytoplasmic dynein (e.g., MIM 600112); CliPs (e.g., MIM 179838); and CENPF/mitosin (MIM 600236). The inner centromere proteins (INCENPs) (Earnshaw and Cooke, 1991 [PubMed 1860899]), the initial members of the passenger protein group, display a broad localization along chromosomes in the early stages of mitosis but gradually become concentrated at centromeres as the cell cycle progresses into mid-metaphase. During telophase, the proteins are located within the midbody in the intercellular bridge, where they are discarded after cytokinesis (Cutts et al., 1999 [PubMed 10369859]).[supplied by OMIM, Mar 2008]
Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.