

Product datasheet for **SC111843**

CDK5RAP3 (NM_025197) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	CDK5RAP3
Synonyms:	C53; C53, IC53, HSF-27, MST016, OK/SW-cl.114; CDK5 regulatory subunit associated protein 3; HSF-27; IC53; ischemic heart CDK5 activator-binding protein C53; LXXLL/leucine-zipper-containing ARFbinding protein; LZAP; MST016; OK/SW-cl.114
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_025197, the custom clone sequence may differ by one or more nucleotides

ATGGAGGACCATCAGCACGTGCCCATCGACATCCAGACCAGCAAGCTGCTCGATTGGCTGGTGGACAGAA
GGCACTGCAGCCTGAAATGGCAGAGTCTGGTGCTGACGATCCGCGAGAAGATCAATGCTGCCATCCAGGA
CATGCCAGAGAGCGAAGAGATCGCCAGCTGCTGTCTGGGTCCTACATTCACTACTTCACTGCCTAAGA
ATCCTGGACCTTCTCAAAGGCACAGAGGCCTCCACGAAGAATATTTTGGCCGATACTCTTCACAGCGGA
TGAAGGATTGGCAGGAGATTATAGCTCTGTATGAGAAGGACAACCTACTTAGGTAAAGTGCCCGGCC
TGGGAGCCCTGGTATCCATGGGGAAGCCCACTCTCAGAGTTCTGAGATACCAGGCTTATAG



5' Read Nucleotide

Sequence:

>OriGene 5' read for NM_025197 unedited
GGTGCAAAATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGTCTGGTGC
TGACGATCCGCGAGAAGACAATGCTGCCATCCAGGACATGCCAGAGAGCGAAGAGATCGC
CCAGCTGCTGTCTGGGTCTACATTCACTACTTTCACTGCCTAAGAATCCTGGACCTTCT
CAAAGGCACAGAGGCTCCACGAAGAATATTTTGGCCGATACTCTTCACAGCGGATGAA
GGATTGGCAGGAGATTATAGCTCTGTATGAGAAGGACAACACCTACTTAGGTAAAGTGGC
CCGGCTCGGAGCCCTGGTATCCATGGGAAGCCCACTCTCAGAGTTCTGAGATACCAGG
CTTATAGGAGGCACAGTCTGTGAGTGGGAAGAGACTGGAGTGTAGATGTTGCCATTGT
AGGTGGTAAATCAATTGTTTTGATGGAATTGATTTCCCTGAGTGGAGTGTGGGGGA
AGGAGGAGGTCCAGGCCGTAGTGGCCATTCGCCGTGCCTCAGCGAGCAGGTGTGTGTGG
GTCTCCACCACTACCTCTTGGTTACGGGAGTGTGGGCTGCCCCACCCNACCCCCGC
ACCCCCATTCTACACAAGGCAGAAGAGGGCACGGGTTTTCTGGGAGCGAATATCAAGTG
CCTGAGAGCAACTACAGGACTAACTGTGTNTGGGTTGGGGTGTAGTATAAATAATAA
TGGCTAATATTTCTGAGCATCTACTAAATGCAAGGAATTGTGCTTGGTGTGCATGGTG
GATTCTCTTGCATCTTCATGATAATGTTANTGGCGCTGTTCCGATGAAGGGTTGATT
ANAAGGGGNTAAACAAGTGTCTTAGCTCCCAGCTGGAACAGTGGGGCTGGGAGCTGAC
TTCGTGCTCTCACCACN

3' Read Nucleotide

Sequence:

>OriGene 3' read for NM_025197 unedited
CTTTGACTAACTAGNAAGGANAGATCTGTGGTTTGTGCGCCCTNATAGNAACCACAGGGCC
AATCACCACAGCTTCTGTAGAGAACATGGAGAGTGCCAAGATCACCATCAGGTGCCGCT
TCCTTCCTGTGGCTTTCCATCTTCCAGTCAGCTGGTCTTTGCTTGAAGGGCCCCAAA
ACAACAGCCCTGGCTATCATCTTCAATCCAAAAGCGGAGAAGATGGGCAGGCAAGAACAC
GGAGGGTGTACAGAGAGGTTCCCATCAGGTTCACAGGGCGCCCGCTGTACCTCTTGAG
ATGTCAGCTTCAATCAGCTTCTGCAGCTCCTTGGTCTTCTCCAGTAGCAGGTCCAGCTTA
GGCTCCAGAGCCGCTGCTCCTCAAGTGCCTCCTGCTGCTTCTGCACCATCAGCTCTTTC
TTCAAAGCCAGCAGCTGGGACTGCTTCAGCTTTTGTGGAGGAATTCAGTCACTCGGTCC
ACATACCTTGGTGAGGCCAGGATCATAAACAGGTGTTGCAGCTGAAGACTGGTAAGCTTG
CCAATCAGATCCTCCAGCACTGACACCATGGTAACCATCTTCTCTTGGTCTGGCCCTGC
ANGATGGCTGGAGCCAGCTGGAAGTGGCTCACAGACAGGACATCTGCCTNCTCACTCAAC
TNCAGTGTCTCTGGGCTAAGAAGATCTCAAGCTCCATGAGCTCATCAAGGAAGTATTC
CGGGTCTCAGTGTATTCAAGCAGTGTCAAGGCATCTGGGCCCTGGNACACCTTCTGGA
GCCTGNGTTCCCTGCTNAGCACTGTGATCTGCANAGCACAGCATCGTCTCCAGTCTAT
CCATCACTNCAGNATCCTTGATCTGATCCGGAAGATGCCCATCGATCCAGCACCTCGCAG
AATGCAGATNAGTCCCTCAGACTGCCTTACCAAGTGGCCATCATCATCTCTGCACTGC
TCAGAGCTCTNAGGGGGTTCGTCACCAAGGCTTGTCTGGCTCA

Restriction Sites:

NotI-NotI

ACCN:

NM_025197

Insert Size:

2770 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_025197.1, NP_079473.1</u>
RefSeq Size:	2594 bp
RefSeq ORF:	1260 bp
Locus ID:	80279
Cytogenetics:	17q21.32
Gene Summary:	This gene encodes a protein that has been reported to function in signaling pathways governing transcriptional regulation and cell cycle progression. It may play a role in tumorigenesis and metastasis. A pseudogene of this gene is located on the long arm of chromosome 20. Alternative splicing results in multiple transcript variants that encode different isoforms. [provided by RefSeq, May 2013] Transcript Variant: This variant (2) differs in the 3' UTR compared to variant 1. Variants 1 and 2 encode the predicted isoform a.