

Product datasheet for **SC110641**

CDK5RAP3 (NM_176096) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDK5RAP3 (NM_176096) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDK5RAP3
Synonyms:	C53; HSF-27; IC53; LZAP; MST016; OK/SW-cl.114; PP1553
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_176096, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGACCATCAGCACGTGCCATCGACATCCAGACCAGCAAGCTGCTCGATTGGCTGGTGGACAGAA
GGCACTGCAGCCTGAAATGGCAGAGTCTGGTGTGACGATCCGCGAGAAGATCAATGCTGCCATCCAGGA
CATGCCAGAGAGCAAGAGATCGCCAGCTGCTGTCTGGGTCTACATTCACTACTTTCACTGCCTAAGA
ATCCTGGACCTTCTCAAAGGCACAGAGGCTCCACGAAGAATATTTTTGGCCGATACTCTTCACAGCGGA
TGAAGGATTGGCAGGAGATTATAGCTCTGTATGAGAAGACAACACCTACTTAGTGGAAGTCTAGCCT
CCTGGTTCGGAATGTCAACTATGAGATCCCCTCACTGAAGAAGCAGATTGCCAAGTGCCAGCAGCTGCAG
CAAGAATACAGCCGCAAGGAGGAGGAGTGCCAGGCAGGGGCTGCCGAGATGCCGGAGCAGTTCTACCACT
CCTGCAAGCAGTATGGCATCACGGGCGAAAATGTCCGAGGAGAAGTGTGGCCCTGGTGAAGGACCTGCC
GAGTCAGCTGGCTGAGATTGGGGCAGCGGCTCAGCAGTCCCTGGGGGAAGCCATTGACGTGTACCAGGCG
TCTGTGGGGTTTGTGTGTGAGAGCCCCACAGAGCAGGTGTTGCCAATGCTGCGGTTGTGCAGAAGCGGG
GAAACTCAACGGTGTACGAGTGGAGGACAGGGACAGAGCCCTCTGTGGTGAACGACCCACCTCGAGGA
GCTTCTGAGCAGGTGGCAGAAGATGCGATTGACTGGGGCGACTTTGGGGTAGAGGCAGTGTCTGAGGGG
ACTGACTGGCATCTTGCCGAGGCTGCTGGAATCGACTGGGGCATCTTCCCGGAATCAGATCAAAGG
ATCCTGGAGGTGATGGGATAGACTGGGGAGACGATGCTGTTGCTTTGCAGATCACAGTGTGGAAGCAGG
AACCCAGGCTCCAGAAGGTGTTGCCAGGGGCCAGATGCCCTGACACTGCTTGAATACACTGAGACCCGG
AATCAGTTCCTTGATGAGCTCATGGAGCTTGAGATCTTCTTAGCCAGAGAGCAGTGGAGTTGAGTGAGG
AGGCAGATGTCTGTCTGTGAGCCAGTTCAGCTGGCTCCAGCCATCCTGCAGGGCCAGACCAAAGAGAA
GATGGTTACCATGGTGTGAGTGTGAGGATCTGATTGGCAAGCTTACCAGTCTTCAGCTGCAACACCTG
TTTATGATCCTGGCCTACCAAGGTATGTGGACCGAGTACTGAATTCCTCCAGCAAAGCTGAAGCAGT
CCCAGCTGCTGGCTTTGAAGAAAGAGCTGATGGTGCAGAAGCAGCAGGAGGCACTTGAGGAGCAGGCGGC
TCTGGAGCCTAAGCTGGACCTGCTACTGGAGAAGACCAAGGAGCTGCAGAAGCTGATTGAAGCTGACATC
TCCAAGAGGTACAGCGGGCCCTGTGAACCTGATGGGAACCTCTCTGTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_176096 unedited GAATTCGGCAGAGAGATGGAGGACCATCAGCACGTGCCCATCGACATCCAGACCAGCAA GCTGCTCGATTGGCTGGTGGACAGAAGGCACTGCAGCCTGAAATGGCAGAGTCTGGTGCT GACGATCCGCGAGAAGATCAATGCTGCCATCCAGGACATGCCAGAGAGCGAAGAGATCGC CCAGCTGCTGTCTGGTCTACATTTCACTACTTTCACTGCCTAAGAATCCTGGACCTTCT CAAAGGCACAGAGGCCCTCCACGAAGAATATTTTTGGCCGATACTTTACAGCGGATGAA GGATTGGCAGGAGATTATAGCTCTGTATGAGAAGGACAACACCTACTTAGTGGAATCTC TAGCCTCCTGGTTCGGAATGTCAACTATGAGATCCCCTACTGAAGAAGCAGATTGCCAA GTGCCAGCAGCTGCAGCAAGAATACAGCCGCAAGGAGGAGGAGTGCCAGGCAGGGGCTGC CGAGATGCGGGAGCAGTTCTACCACTCCCTGCAGCAGTATGGCATCACGGGCGAAAAATGT CCGAGGAGAAGTCTGGCCCTGGTGAAGGACCTGCCGAGTCACTGGCTGAGATTGGGGC AGCGGCTCANCAGTCCCTGGGGGAAGCATTGACGTGTACCANGCGTCTGTGGGTTTGTG TGTGAGAGCCCCACAGAGCAGGTGTTGCCAATGCTGCGGTTCTGCAGAAGCGGGGAAAC TCAACGGTGTACGAGTGGAGGACAGGGACAGGCCCTCTGTGGTGGACACCCCTCGA GAGCT
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_176096 unedited CAGAAACTATTGGTGATGGCAACTTCCAGNCCAGGNANAGCACTGGGGAGGGGTCACAG GGATGCCACCCGGGATCTGTTACGAAAACAGCTATGACCGCGCCGCAATCTAGAGTCG AGTTGGTTTTTCTTTTATTAAGTCCGC TATACTAACTAGAAGGGGAATCTGTGGTTTTTCGCTGATAGACCAGGGCCAATCACCA CAGTTCTTGTAGAGAACATGGGGAGTGGCCAGATCACCATCAGGAAAAGCTTCTTCT GGGGCTTTCCATCTTCCAGTCAACTGGGCTTTTGCCTTGAAGGGCCCCAAAACAACAGC CCTGGCTATCATCTTCCATCCCAAAGCGGAGAAGATGGGCAGGCCAGAACACGGAGGGTG TCACCGAGGGGTTCCCTCCGGTTCACCGGGCGGCCCGCTGGTCTTTTGGGATTTCCG GTTCAATCCGCTGCTGCCCTACCTGGTCTCTCTGAAGGAGTCCAGCTTAGGCTGCA AAGCCCCCTGGCCCTCGAGGCAAACCTGGTGGTTTTGGCCCTACGGCTTTTTCTGAGGG ACCCGGGCAGGGGCCCTCCTTACCTTTAGGGCGCAGAGGTTTGTGGGCTACTGTGGGAA CACGGGCGAGTAGGGCAGGTGAGGATATCAAAAAAAGCCACGACGGGTACCGTTCTGG GTGACGGGTGAAGTTGTTAACGAAGCGCAGCTTGGTACTATAAAGACGCAAGGTAGAAAA GAGGGGCGGAGAGTTGATGGCCAAATTCGAAGCCACAGACAACAATGATGAGAATGCACA CTGTAAGGGAACGAGGAATCAAATAAGGACACAAAAGAACGCCAAAAAAAATAAAACAA AAACAGAG
Restriction Sites:	NotI-NotI
ACCN:	NM_176096
Insert Size:	4500 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).
RefSeq:	<u>NM_176096.1, NP_788276.1</u>
RefSeq Size:	1884 bp
RefSeq ORF:	1521 bp
Locus ID:	80279
UniProt ID:	<u>Q96JB5</u>

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 (3) differs in the 5' UTR and has multiple coding region differences compared to variant 1. These differences cause translation initiation at an alternate AUG and result in an isoform (b) with a longer N-terminus, compared to isoform e.