

Product datasheet for **SC104995**

Coronin 1a (CORO1A) (AK097964) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coronin 1a (CORO1A) (AK097964) Human Untagged Clone
Tag:	Tag Free
Symbol:	Coronin 1a
Synonyms:	CLABP; CLIPINA; HCORO1; IMD8; p57; TACO
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK097964, the custom clone sequence may differ by one or more nucleotides

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AACGTCATTGCCAGTGGCTCCGAGGACTGCACAGTCATGGTGTGAGTGGTGGTGGGGACCCAGGGGCTGGGA
GAGGGGCTCTAGGATGGGATCTGACATTTGGAGTCTGAAGACTCACTGGCCCCCTCTCTGCAGGTGTGG
GAGATCCCGGATGGGGGCTGATGCTGCCCTGCGGGAGCCCGTCCACCTGGAGGGCCACACCAAGC
GTGTGGGCATTATGGCCTGGCACACCACAGCCCAAGACGTGCTGCTCAGTGCAGGTGCTGCGGGAGGAGG
GGCTTGGGGTGGCTCGTGGCCTGCAGTGGATGAGGGCAGGAGGCTCATGGCTTCTGACACTGTGGGAA
CGTGCAGGTTGTGACAACGTGATCATGGTGTGGGACGTGGGCACTGGGGCGGCCATGCTGACACTGGGCC
CAGAGGTGACCCAGACACGATCTACAGTGTGGACTGGAGCCGAGATGGAGGCCTCATTTGTACCTCCTG
CCGTGACAAGCGCGTGCATCATCGAGCCCCGAAAGGCACTGTCGTAGCTGAGAAGGACCGTCCCCAC
GAGGGGACCCGGCCCGTGCCTGCAGTGTTCGTGTGCGAGGGGAAGATCCTGACCACGGGCTTCAGCCGA
TGAGTGAGCGGAAGTGGCGCTGTGGGACACAGTGTGCTGGGGCAGGAAGCCGAGGGCCCCCAGGCTG
GGAACCAAGACTGGAGGTTTCGTCCCTGCTCTGCCACTCACTGGCAGGATGGCCATGGGCCTCAGTTTA
CCAGGGCTGAGATGGTTGTTCCCACTGGTTGGTTCGGGAGGGCCCTCACAGGTCACTGCCAGGGAAGAC
CACCATCCAGGGCCTGGGATGTTACCTCTCACCTGTGTCTACAGAAGCACCTGGAGGAGCCGCTGTCCC
TGACAGGACTGGACACCAGCAGCGGTGCTCTGCTGCCCTTCTTTGACCCTGACACCAACATCGTCTACCT
CTGTGGCAAGGTGGCCTCGTCCGGCGGGGTGGGGTGGGAGGTGGGCAGGATGGGCTGGAGAGGGCCAG
GGCAGTGGGCATCCGCTGGTATTGACCCCTCCACACCTGCCACCTACAGGGTGACAGCTCAATCCGG
TACTTTGAGATCACTTCCGAGGCCCTTTCCTGCACTATCTCTCCATGTTCAAGGAGTCCCAGC
GGGGCTGGGCTACATGCCAAACGTGGCCTGGAGTGAACAAGTGTGAGATCGCCAGGTGACTGACCC
CGCCCTGACCCGACATGCTCCTTGGGCACTGGGCACTCCCAAGCCACCCAACAGACTGTGGGGCCCC
GCTCACCTTCCCCTTCCACAGGTTCTACAAGCTGCACGAGCGGAGGTGTGAGCCATTGCCATGACAGT
GCCTCGAAAGGTGATGCTCCCCGCCACCCTGGGCTCCAGGCTGGGCACTGACTTTGCGGTCTTGTGG
GGGGTGTCTGGCATAAGCGCTTTCCTCACTATCCCTGGCCTTGCCACAGTCGGACCTGTTCCAGGAGG
ACCTGTACCCACCACCCAGGGCCGACCCTGCCCTCACGGCTAAGGAGTGGCTGGGGGTGCGGATGC
TGGGCCCTCCTCATCTCCCTCAAGGATGGTACGTACCCCAAGAGCCGGGAGCTGAGGGTCAACCGG
GGCCTGGACCCGGCGCAGGAGGGCAGCACCAGAGGCCAGTGGCACTCCAGCTCGGTGAGAGGGCTGG
GAAGCCAGGGAATAAACTGGGAGGGTGGGGTGGGGCTGGTGTGGGGCACCTCAAACCTACAACATTG
GGATCTTTGTGGTCCGGGAATGGTAATCCTGAGGCCTCAGAACACAGGTTTCAGATTGATAGGCCTGC
AGGTCTCCAGGCAGCAACAGCTGAGCGACTAAAGGGCCCAAGGCCAGGGCTCTAGGGATGGGGCTCAGC
AGAGGCTGGGGTAAAGGGAGCCAGGGAGGAGCTGGGCCTAATGCAGCACCGGGTCCCCAGGATGCCGTGT
CTCGGCTGGAGGAGGAGATGCGGAAGCTCCAGGCCACGGTGCAGGAGCTCCAGAAGCGCTTGGACAGGCT
GGAGGAGACAGTCCAGGCCAAGTAGAGCCCCGAGGGCTCCAGCAGGGTCCAGCCATTACACCCATCCA
CTCACCTCCCATTCCAGCCACATGGCAGAGAAAAAATCATAATAAAATGGCTTATTTTCTGGT
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5' Read Nucleotide Sequence:

>OriGene 5' read for AK097964 unedited

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GCACGAGGCGGGAGGAGGGGCTTGGGGTGGCTCGTGGCCTGCAGTGGATGAGGGCAGGA
GGCTCATGGCTTCTGACACTGTGGGAACGTGCAGGTTGTGACAACGTGATCATGGTGTG
GGACGTGGGCACTGGGGCGGCCATGCTGACACTGGGCCAGAGGTGCACCCAGACACGAT
CTACAGTGTGGACTGGAGCCGAGATGGAGGCCTCATTTGTACCTCCTGCCGTGACAAGCG
CGTGCGCATCATCGAGCCCCGAAAGGCACTGTCGTAGCTGTGAGTCGCCATCTACCCTG
ACCTTTGACCCTACAGCCTTTATCCTTCTATCCACCATCAGCCAGGCCCTTGGATGCTG
CCCTCCCTCGCCTCCACCTGGGACTGGCCCCGTAGGGTATGTACGGGTGCCTGACCTACC
ACCTCCCTTTCCTTGCAGGAGAAGGACCGTCCCCACGAGGGGACCCGGCCCGTGGCTGCA
GTGTTCTGTGTCGGAGGGGAAGATCCTGACCACGGGCTTACCCGATGAGTGAGCGGCAG
GTGGCGCTGTGGGACACAGTGTGCTGGGGCAGGAAGCCGAGGGCCCCCAGGCTGGGAA
CCAAGACTGGAGGTTTCGTCCCTGCTCTGCCACTCACCTGGCAGGATGGCCATGGGCCTC
AGTTTACCCAGGCGTGAAGTGGTTGTTCCCACTGGTTGGTTCGGGAGGGCCCTCACAGGTC
ACTGCCAGGGAAG
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3' Read Nucleotide Sequence:	>OriGene 3' read for AK097964 unedited GCCCTTTATGNACGCGGCCGCATTCTANGATCGGTTT TTTTTTTTTTTTTACCAAAAATAAGCCCTTTTATTATGATTTTTTTCTCTGCCCTGTG GCTGGGAATGGGAGGTGAGTGGATGGGTGTAATGGCTGACCCTGCTGGAGGCCCTGCGG GGCTCTACTTGGCCTGGACTGTCTCCTCCAGCCTGTCCAAGCGCTTCTGGAGCTCCTGTA CCGTGGCCTGGAGCTTCCGCATCTCCTCCTCCAGCCGAGACACGGCATCCGAGCTGGGAG TGCCACTGGCCTCTGGTGTGCCCTCTGCGCCCGGTGTCCAGGCCCGGTTGACCCTCA GCTCCCGCTCTTTGGGGGTACGTAGCCCTCCTTGAGGGAGATGAGGAGGGGCCAGCAT CCCCAGCCCCAGCCACTCCTCATCCGTGAGGGCAGGGTCGGGCCCTGCCGTGGGTGGGT ACAGGTCTCCTGGAACAGGTCCGACTTTCGAGGCACTGTATGGCAATGGGCTCACACC TCCGCTCGTGCAGCTTGTANAACCTGTGGGAAGGGGAAGGTGAGCGGGGCCACAGTCTG GTTGGGTGGGCTTGGGACTGCCACTGCCCAAGGAGCATGCTGCGGTGAGGCGGGGGT CATTACCTGGGATCTCACACTTGTTCACCTCCAGGCCACGTTTGGGCATGTAGCCAT GCCCGCTGGGACTCCTTGGAACTGAACATGGAGAGATAGTCAGGAAAAGGGCCCTCGA AGTGATCTCAAGTACCGATTGAGCTGTCCCCCTGTAGTGGCAGGTGTGAAGGAAGGT TCATCAAGGGGTGCCACTGCCCTGGCCCCCTCCAGGC
Restriction Sites:	NotI-NotI
ACCN:	AK097964
Insert Size:	1850 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.
RefSeq:	<u>AK097964.1</u>
RefSeq Size:	2236 bp
RefSeq ORF:	2236 bp
Locus ID:	11151
Cytogenetics:	16p11.2
Domains:	WD40

Gene Summary:

This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asp (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. Alternative splicing results in multiple transcript variants. A related pseudogene has been defined on chromosome 16. [provided by RefSeq, Sep 2010]