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Product datasheet for SC115708

Coronin 1a (CORO1A) (NM_007074) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coronin 1a (CORO1A) (NM_007074) Human Untagged Clone
Tag:	Tag Free
Symbol:	Coronin 1a
Synonyms:	CLABP; CLIPINA; HCORO1; IMD8; p57; TACO
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene ORF within SC115708 sequence for NM_007074 edited (data generated by NextGen Sequencing)

ATGAGCCGGCAGGTGGTCCGCTCCAGCAAGTTCCGCCACGTGTTTGGACAGCCGGCCAAG
GCCGACCAGTGCTATGAAGATGTGCGCGTCTCACAGACCACCTGGGACAGTGGCTTCTGT
GCTGTCAACCCTAAGTTTGTGGCCCTGATCTGTGAGGCCAGCGGGGGAGGGGCCTTCCTG
GTGCTGCCCCTGGGCAAGACTGGACGTGTGGACAAGAATGCGCCCACGGTCTGTGGCCAC
ACAGCCCCTGTGCTAGACATCGCCTGGTGCCCGCACAATGACAACGTCATTGCCAGTGGC
TCCGAGGACTGCACAGTCATGGTGTGGGAGATCCCAGATGGGGGCCTGATGCTGCCCCTG
CGGGAGCCCGTCGTCACCCTGGAGGGCCACACCAAGCGTGTGGGCATTGTGGCCTGGCAC
ACCACAGCCCAGAACGTGCTGCTCAGTGCAGGTTGTGACAACGTGATCATGGTGTGGGAC
GTGGGCACTGGGGCGGCCATGCTGACACTGGGCCCAGAGGTGCACCCAGACACGATCTAC
AGTGTGGACTGGAGCCGAGATGGAGGCCTCATTTGTACCTCCTGCCGTGACAAGCGCGTG
CGCATCATCGAGCCCCGCAAAGGCACTGTCGTAGCTGAGAAGGACCGTCCCCACGAGGGG
ACCCGGCCCGTGCGTGCAGTGTTCGTGTCGGAGGGGAAGATCCTGACCACGGGCTTCAGC
CGCATGAGTGAGCGGCAGGTGGCGCTGTGGGACACAAAGCACCTGGAGGAGCCGCTGTCC
CTGCAGGAGCTGGACACCAGCAGCGGTGTCCTGCTGCCCTTCTTTGACCCTGACACCAAC
ATCGTCTACCTCTGTGGCAAGGGTGACAGCTCAATCCGGTACTTTGAGATCACTTCCGAG
GCCCCTTTCCTGCACTATCTCTCCATGTTCAGTTCCAAGGAGTCCCAGCGGGGCATGGGC
TACATGCCCAAACGTGGCCTGGAGGTGAACAAGTGTGAGATCGCCAGGTTCTACAAGCTG
CACGAGCGGAGGTGTGAGCCCATTGCCATGACAGTGCCTCGAAAGTCGGACCTGTTCCAG
GAGGACCTGTACCCACCCACCGCAGGGCCCGACCCTGCCCTCACGGCTGAGGAGTGGCTG
GGGGGTCGGGATGCTGGGCCCCTCCTCATCTCCCTCAAGGATGGCTACGTACCCCCAAAG
AGCCGGGAGCTGAGGGTCAACCGGGGCCTGGACACCGGGCGCAGGAGGGCAGCACCAGAG
GCCAGTGGCACTCCCAGCTCGGATGCCGTGTCTCGGCTGGAGGAGGAGATGCGGAAGCTC
CAGGCCACGGTGCAGGAGCTCCAGAAGCGCTTGGACAGGCTGGAGGAGACAGTCCAGGCC
AAGTAG

Clone variation with respect to NM_007074.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_007074 unedited

GTTACNATTTGTATACGACTCATATAGGGCGGCCGCGAATTCGCACGAGGCTCCTCCTCC
TCCACCTCCGGCTTTTGGGGGATCACTGTCCTCTCTCGGCAGCAGAATGAGCCGGCAGGT
GGTCCGCTCCAGCAAGTTCCGCCACGTGTTTGGACAGCCGGCCAAGGCCGACCAGTGCTA
TGAAGATGTGCGCGTCTCACAGACCACCTGGGACAGTGGCTTCTGTGCTGTCAACCCTAA
GTTTGTGGCCCTGATCTGTGAGGCCAGCGGGGGAGGGGCCTTCCTGGTGCTGCCCCTGGG
CAAGACTGGACGTGTGGACAAGAATGCGCCCACGGTCTGTGGCCACACAGCCCCTGTGCT
AGACATCGCCTGGTGCCCGCACAATGACAACGTCATTGCCAGTGGCTCCGAGGACTGCAC
AGTCATGGTGTGGGAGATCCCAGATGGGGGCCTGATGCTGCCCCTGCGGGAGCCCGTCGT
CACCCTGGAGGGCCACACCAAGCGTGTGGGCATTGTGGCCTGGCACACCACAGCCCAGAA
CGTGCTGCTCAGTGCAGGTTGTGACAACGTGATCATGGTGTGGGACGTGGGCACTGGGGC
GGCCATGCTGACACTGGGCCCAGAGGTGCACCCAGACACGATCTACAGTGTGGACTGGAG
CCGAGATGGAGGCCTCATTTGTACCTCCTGCCGTGACAAGCGCGTGCGCATCATCGAGCC
CCGCANAGCACTGTCGTAGCTGAGAGGACCGTCCCCACGAGGGGACCCGCCCGTGCGTGC
AGTGTTCGTGTTGGAAGGGGAGATTCTGACCACGGCCTTTCACCCCCTGAATGAGCCGCA
CNTGGCGCCTGTGGGACACAAAGCACCTGGNAGGAGCCGTTGTCCCTGCAAGAACTTGTA
ACCCACAACGGGGTTCTGCTTGCCTTTT

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_007074 unedited
AATTCCTGCNACCGCGGCCGCAATTTTANAGTCGGTTTTTTTTTTTTTTTTTTACCAGA
AAAAAAGCTATTTTATTATGATTTTTTTCTCTGCCATGTGGCTGGGAATGGGAGGTGAGT
GGATGGGTGTGAATGGCTGACCCTGCTGGAGGCCCTGCGGGGCTCTACTTGGCCTGGACT
GTCTCCTCCAGCCTGTCCAAGCGCTTCTGGAGCTCCTGCACCGTGGCCTGGAGCTTCCGC
ATCTCCTCCTCCAGCCGAGACACGGCATCCGAGCTGGGAGTGCCACTGGCCTCTGGTGCT
GCCCTCCTGCGCCCGGTGTCCAGGCCCCGGTTGACCCTCAGCTCCCGGTTCTTTGGGGGT
ACGTACCCATCCTTGAGGGAGATGAGGAGGGGCCCAGCATCCCGACCCCCCAGCCACTCC
TCAGCCGTGAGGGCAGGGTCGGGCCCTGCGGTGGGTGGGTACAGGTCCTCCTGGAACAGG
TCCGACTTTCGAGGCACTGTCATGGCAATGGGCTCACACCTCCCCTCGTGCAGCTTGTAC
AACCCTGGCGATCTCCCACTTGCTCACCTCCAGGTCACGTTTTGACCATGCAGCCTATGC
CCCCGTTGGGACCTCTTTGAACCTGACCATGCAAAGATAGTGCCGGAAAGGGGGCCCCCG
GCAGTGATCTTTCAAGCCCCGGTACTGATCCCGCCATCCTTTGCCACACACGGTACACTA
TGCTTGCCGCTCTCTGGTTAAACAAGCGCCCACACGGTAACCCGCTTCCAGTGCGCCTAA
GCTTTCTTGCTAGGCACCCGTGCGTTCCTCTTCGCGGCTTCTCTCCTTCCACATTGGTAA
CCCTCGCAGCTTTCCTCTTTTGCGCCTGTAACTCCCGTTGTCACTCCATATTTTTCCTCC
TCATCTCCCCACCCTTGCACCCCCCCGCACCCGTTCTCCCTCCTGCCCCTTCATTCTTTT
CCACACCCCACTTTCAGCG
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Restriction Sites: NotI-NotI

ACCN: NM_007074

Insert Size: 1610 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

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_007074.2, NP_009005.1

RefSeq Size:	1620 bp
RefSeq ORF:	1386 bp
Locus ID:	11151
UniProt ID:	P31146
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] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.