

Product datasheet for **RC221576**

HCC1 (RBM39) (NM_004902) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HCC1 (RBM39) (NM_004902) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HCC1
Synonyms:	CAPER; CAPERalpha; FSAP59; HCC1; RNPC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC221576 representing NM_004902
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGACGATATTGATATTGAAGCAATGCTTAGGCTCCTTACAAGAAGGATGAGAACAAGTTGAGCA
 GTGCCAACGGCCATGAAGAACGTAGCAAAAAGAGGAAAAAAGCAAGAGCAGAAGTCGTAGTCATGAACG
 AAAGAGAAGCAAAAAGTAAGGAACGGAAGCGAAGTAGAGACAGAGAAAGGAAAAAGAGCAAAAAGCCGTGAA
 AGAAAAGCAAGTAGAAGCAAAAGAGAGGCGACGGAGCCGCTCAAGAAGTCGAGATCGAAGATTTAGAGGCC
 GCTACAGAAGTCCTTACTCCGGACCAAAATTTAACAGTGCATCCGAGGAAAGATTGGGTTGCCTCATAG
 CATCAAATTAAGCAGACGACGTTCCCGAAGCAAAAGTCCATTAGAAAAGACAAGAGCCCTGTGAGAGAA
 CCTATTGATAATTTAACTCCTGAGGAAAGAGATGCAAGGACAGTCTTCTGTATGCAGCTGGCGGCAAGAA
 TTCGACCAAGGGATTTGGAAGAGTTTTCTCTACAGTAGGAAAGTTTCGAGATGTGAGGATGATTTCTGA
 CAGAAATTCGAAGACGTTCCAAAGGAATTGCTTATGTGGAGTTCGTCGATGTTAGCTCAGTGCCTCTAGCA
 ATAGGATTAAGTGGCCAACGAGTTTTAGGCGTGCCAATCATAGTACAGGCATCACAGGCAGAAAAAACA
 GAGCTGCAGCAATGGCAACAATTTACAAAAGGGAAGTGTGGACCTATAGGCTTTATGTGGGCTCATT
 ACACCTTCAACATAACTGAAGATATGCTTCGTGGGATCTTTGAGCCTTTTGGAGAATTGAAAATCCAG
 CTGATGATGGACAGTGAAGTGGTTCGATCCAAAGGATAAGGATTTATTACATTTTCTGACTCAGAATGTG
 CCAAAAAGGCTTTGGAACAATTAATGGATTTGAACTAGCAGGAAGACCAATGAAAGTTGGTCATGTTAC
 TGAACGTACTGATGCTTCGAGTGTAGTTTCAATTTTGGACAGTGTGAAGTGGAAAGGACTGGAATTGAT
 TTGGGAACAATGGTTCGCTTTCAGTTAATGGCAAGACTGCAGAGGTTACAGGTTTGCAGATCCGCCAG
 CAGCACGCAAGCTCTACAGATGAGTGGCTCTTTGGCATTGGTGTGTGGCAGATTTGCAACAATGTTTC
 TTTCCAGCAGACTGAAGCTTCAGCTTTAGCTGCAGCTGCCTCTGTTTCAGCCACTTGAACAACAATGTTTC
 CAACTCTTAACATGTTTAAACCCTCAAACAAGAAGAAGTTGGATGGGATACCGAGATTAAAGGATGATG
 TGATTGAAGAATGTAATAAACATGGAGGAGTTATTCATATTTATGTTGACAAAAATTCAGCTCAGGGCAA
 TGTGTATGTGAAGTGCCCATCAATTGCTGCAGCTATTGCTGTCAATGCATTGCATGGCAGGTGGTTT
 GCTGGTAAATGATAACAGCAGCATATGTACCTCTTCCAACTACCACAACCTGTTTCTGATTCTATGA
 CAGCAACACAGCTACTGGTTCCAAGTAGACGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC221576 representing NM_004902
 Red=Cloning site Green=Tags(s)

MADDIDIEAMLEAPYKDKENKLSANGHEERSKRRKSKRSRSHERKRSKSKERKRSRDRERKSKSRE
 RKRSRSKERRRSRSDRRFRGRYRSPYSGPKFNSAIRGKIGLPHSIKLSRRRSRSKSPFRKDKSPVRE
 PIDNLTPEERDARTVFCMLAARIRPRDLEEFFSTVGKVRDVRMISDRNSRRSKGIAYVEFVDVSSVPLA
 IGLTGQRVLGVPIIVQASQAENRAAMANNLQKGSAGPMRLYVGLHFNITEDMLRGIPEFPGRIESIQ
 LMMDETGRSKGYGFIIFSDSECAKKALEQLNGFELAGRPMKVGHVTERTDASSASSFLDSELERGTGID
 LGTTGRLQLMARLAEGTGLQIPPAQQALQMSGSLAFGAVADLQTRLQQTEASALAAAASVQPLATQCF
 QLSNMFNPQTEEEVGDTEIKDDVIEECNKHGGVIHIYVDKNSAQGNVYVKPSIAAAIAAVNALHGRWF
 AGKMITAAVPLPTYHNLFPDSMTATQLLVPSRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6506_d01.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_004902

ORF Size: 1572 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_004902.4](#)

RefSeq Size: 2791 bp

RefSeq ORF: 1575 bp

Locus ID: 9584

UniProt ID: [Q14498](#)

Cytogenetics: 20q11.22

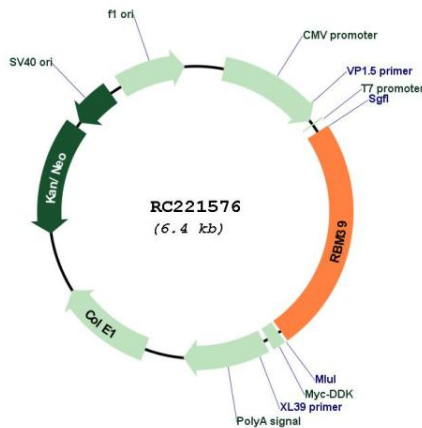
Domains: RRM, RRM_1

Protein Families: Transcription Factors

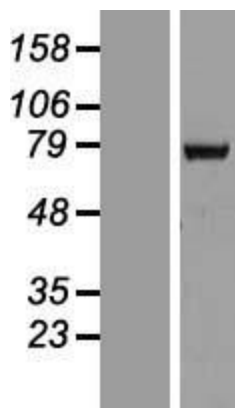
MW: 58.5 kDa

Gene Summary: This gene encodes a member of the U2AF65 family of proteins. The encoded protein is found in the nucleus, where it co-localizes with core spliceosomal proteins. It has been shown to play a role in both steroid hormone receptor-mediated transcription and alternative splicing, and it is also a transcriptional coregulator of the viral oncoprotein v-Rel. Multiple transcript variants have been observed for this gene. A related pseudogene has been identified on chromosome X. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RC221576



Western blot validation of overexpression lysate (Cat# [LY417672]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221576 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).