

Product datasheet for **RG234314**

HCC1 (RBM39) (NM_001242599) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HCC1 (RBM39) (NM_001242599) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HCC1
Synonyms:	CAPER; CAPERalpha; FSAP59; HCC1; RNPC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234314 representing NM_001242599
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGACGATATTGATATTGAAGCAATGCTTGAGGCTCCTTACAAGAAGGATGAGAACAAGTTGAGCA
 GTGCCAACGGCCATGAAGAACGTAGCAAAAAGAGGAAAAAAGCAAGAGCAGAAGTCGTAGTCATGAACG
 AAAGAGAAGCAAAAGTAAGGAACGGAAGCGAAGTAGAGACAGAGAAAGGAAAAAGAGCAAAAGCCGTGAA
 AGAAAGCGAAGTAGAAGCAAAAGAGAGGCGACGAGCCGCTCAAGAAGTCGAGATCGAAGATTTAGAGGCC
 GCTACAGAAGTCCTTACAGACGACGTTCCCGAAGCAAAAGTCCATTAGAAAAAGACAAGGCCCTGTGAG
 AGAACCTATTGATAATTTAACTCCTGAGGAAAGAGATGCAAGGACAGTCTTCTGTATGCAGCTGGCGGCA
 AGAATTCGACCAAGGGATTTGGAAGAGTTTTTCTCTACAGTAGGAAAGGTTGAGATGTGAGGATGATTT
 CTGACAGAAAATCAAGACGTTCCAAAGGAATTGCTTATGTGGAGTTCGTCGATGTTAGCTCAGTGCCTCT
 AGCAATAGGATTAAGTGGCAACGAGTTTTAGGCGTGCCAATCATAGTACAGGCATCACAGGCAGAAAAA
 AACAGAGCTGCAGCAATGGCAAAACAATTTACAAAAGGGAAGTGCTGGACCTATGAGGCTTTATGTGGGCT
 CATTACACTTCAACATAACTGAAGATATGCTTCGTGGGATCTTTGAGCCTTTTGGAAGAATTGAAAGTAT
 CCAGCTGATGATGGACAGTGAACTGGTCGATCCAAGGGATATGGATTTATTACATTTTCTGACTCAGAA
 TGTGCCAAAAAGGCTTTGGAACAACCTAATGGATTTGAACTAGCAGGAAGACCAATGAAAGTTGGTCATG
 TTAAGTGAACGTAAGTGTCTCGAGTGTAGTTTCAATTTTGGACAGTGTGAAGTGGAAAGGACTGGAAT
 TGATTTGGGAACAACCTGGTCGTCTTCAGTTAATGGCAAGACTTGACAGGGGTACAGGTTTGACAGATCCG
 CCAGCAGCACAGCAAGCTCTACAGATGAGTGGCTCTTTGGCATTGGTGCTGTGGCAGAATTCTCTTTTG
 TTATAGATTTGCAAAACAAGACTTTCCAGCAGACTGAAGCTTCAGCTTTAGCTGCAGCTGCCTCTGTTCA
 GCCACTTGCAACACAATGTTTCCAACCTCTTAACATGTTTAACCTCAAACAGAAGAAGAGTTGGATGG
 GATACCGAGATTAAGGATGATGTGATTGAAGAATGTAATAAACATGGAGGAGTTATTCATATTTATGTTG
 ACAAAAATTCAGCTCAGGGCAATGTGTATGTGAAGTGGCCATCAATTGCTGCAGCTATTGCTGCTGTCAA
 TGCATTGCATGGCAGGTGGTTTGTGGTAAAATGATAACAGCAGCATATGTACCTCTTCCAACCTACCAC
 AACCTGTTTCTGATTCTATGACAGCAACACAGCTACTGGTTCCAAGTAGACGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234314 representing NM_001242599
 Red=Cloning site Green=Tags(s)

MADDIDIEAMLEAPYKKDENKLSSANGHEERSKKRKKSKSRSRHERKRSKSKERKRSRDRERKKSKSRE
 RKRSRSKERRRSRSRDRRFRGRYRSPYRRRSRSKSPFRKDKSPVREPIDNL TPEERDARTVFCMQLAA
 RIRPRDLEEFFSTVGKVRDVRMISDRNSRRSKGIAYVEFVDVSSVPLAIGLTGQVRLGVPIIVQASQAEK
 NRAAAMANNLQKGSAGPMRLYVGLHFNITDMLRGIFEPFGRIESIQLMMDSETGRSKGYGFIITFSDE
 CAKKALEQLNGFELAGRPMKVGHVTERTDASSASSFLDSELERTGIDLGTGRLQLMARLAEGTGLQIP
 PAAQQALQMSGSLAFGAVAEFSFVIDLQTRLQQTEASALAAAASVQPLATQCFQLSNMFNPQTEEEVGV
 DTEIKDDVIEECNKHGGVIHIYVDKNSAQGNVYVKPSIAAAIAAVNALHGRWFAGKMITAAYVPLPTYH
 NLFPSMTATQLLVPSRR

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001242599

ORF Size: 1524 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_001242599.2](#)

RefSeq Size: 2815 bp

RefSeq ORF: 1527 bp

Locus ID: 9584

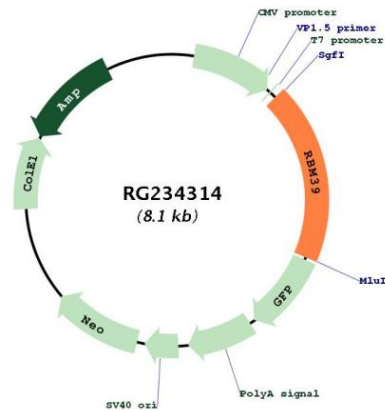
UniProt ID: [Q14498](#)

Cytogenetics: 20q11.22

Protein Families: Transcription Factors

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 RG234314