

## Product datasheet for **SC216372**

### **KRIT1 (NM\_004912) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	KRIT1 (NM_004912) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	KRIT1
Synonyms:	CAM; CCM1
ACCN:	NM_004912
Insert Size:	1797 bp



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**Insert Sequence:** >SC216372 3'UTR clone of NM\_004912  
The sequence shown below is from the reference sequence of NM\_004912. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAGTTAATGCCCACTGAAAGAAATTCATGAAGAGAAGTAACTGTTACTCAAGCCACCACATTTTGTAA
TGCAGAGTTTTTTTTCCGTGAAAGATTTCTTAAAAATTAATTTTTGGCCGAGCATGGTGGCTCACCCCT
GTAATTCAGCACTTTGGGAGGCTGGGGCAGGCGGATCACCTGAAGTCAGAGTTCAAGACCAGCCTGGC
CAACATGGTGAACCCCTGTCTCTACAAAAATACAAAAATTAGCTGGGTGGTGGCGGGCGCCTATAAT
CCTAGCTACTAGGGAGGCCAAGGTGGGAGATCGCTTAAACCCAGGAGGTGGAGGTTGTAGTGAGCCAAG
ATTGCACCACGGCAGCTAGCCTGGGTGACACAGCAAGACTCCATCTCAAAAAAAAAAAAAAATTACTT
TCAACAAGGCATATAGTCTTTGTAATATATATGTATACTATTACATTGTACAGAATCTGTACTTATGT
TTGGTGTGTAATATACCAATTAGTTTTATATAATATCCTCATAAGCTATTCTAATTTTTGAGAGAAACA
CAAAAAGTTATAGATTGATAGTCTGTATAATATTAGACAAAATAGTAAGCTTTATAAAAAGTTATTTTT
GGTAAATGGTAAGGAATTTGGGGTGAATGTGATGAGATTAATAATGTAGCTTTGGTATAACTTCATGTG
TATTTCAAAAATACTGAACGTCAACATGATTTGAATAAAGAAAATGATTTTTCTACTTGAACCACATA
ACACTGTTATTTAAAACAGTTTTCTGCAGTCTATAAACATTTCTCAACATTTTTTAAAAGTCTTAGTT
AAAATGTAATCTGATATACAGTAGTGTCTCAAAGTATAGTTCATGAACCTCTGCATCATAATTAC
CTAGATGCCTCTTAAAAATGAAGATTTCCAGAGACCCATTCTAAACAAGGGCATTCACTCTCTGGAAGTA
GCATGGCCTTGGAACCTAAATTTGGTTTTGTTTTTCTTTTTGCTGTTAGAATAATTTAGACCCAA
TAAGGAATTTGATTATTAAGTTGAGAAATTTACAAAAATGCCTGGCACACAAGCACACACATACAT
AGACACATTTTAAGTGATAATCTCTTGATATTAGAAGTTGCATTTGTTAAATACATGCTGTATTTTTTA
TGAGTTGACTTAATAGTTTATGTATATTGACTTTGCTTTGTAGGAAGTAAATCACCAGATATCTTATTG
TTTCATTTAGGAAAGTAGTGATATAGTAGAAGAGCCAACCTGATGAATGTGCTATTCATAAGCTAGAAA
CTACAGTTTTTCCAACTAATAAAGTGAATTTCTAAATAAGTTCAGAGATATAGTCATATTTAAAGT
TGTCTACAGTTTGCAGATAATTTTTATTAATTAATTTCTTACATTAACCTCTGCTATTTTTAATGGT
ACTATATGTAGGCCTTATTAATAAAGATTGTATGGTTAAGTAAAGTTAACAAGAAAGCCTGATTTAT
CTTTAATTTCTGTGCTAGGTACTTTTGTACTACATGAACAATACCCTTTTCAGTTCCTTCATTCTAAT
GTCCTCAACTGTTACCAATACCCTGTTGACTCCCAAACCTAAGATTTTAGCCTCAACTTCTTTTCTGA
ACTTCAAATCTTAAATTTCCAAGTTATACTTGTCTAGGTCCATCTAAATGGTCTACAGAGAACTTCAGT
TGAATCATAGCTGAAACAGAATTTATTTCTCTATTTGCTTCATTCTGTCTTCCACTATATCCCTCA
TTT
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCACCCGCCCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_004912.4](#)

**Summary:**

This gene encodes a protein containing four ankyrin repeats, a band 4.1/ezrin/radixin/moesin (FERM) domain, and multiple NPXY sequences. The encoded protein is localized in the nucleus and cytoplasm. It binds to integrin cytoplasmic domain-associated protein-1 alpha (ICAP1alpha), and plays a critical role in beta1-integrin-mediated cell proliferation. It associates with junction proteins and RAS-related protein 1A (Rap1A), which requires the encoded protein for maintaining the integrity of endothelial junctions. It is also a microtubule-associated protein and may play a role in microtubule targeting. Mutations in this gene result in cerebral cavernous malformations. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2009]

**Locus ID:**

889

**MW:**

70