

Product datasheet for **SC216367**

KRIT1 (NM_194454) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	KRIT1 (NM_194454) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	KRIT1
Synonyms:	CAM; CCM1
ACCN:	NM_194454
Insert Size:	1793 bp



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Insert Sequence: >SC216367 3' UTR clone of NM_194454
 The sequence shown below is from the reference sequence of NM_194454. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

GCTAAATGGACAGTTAATGCCCACTGAAAGAAATTCA**TGA**AAGAGAAGTAACTGTTACTCAAGCCACCAC
 ATTTTGTAAATGCAGAGTTTTTTTTCCGTGAAAGATTTCTTAAAAATTTACTTTTTGGCCGAGCATGGTGGC
 TCACCCCTGTAATCCAGCACTTTGGGAGGCTGGGGCAGGCGGATCACCTGAAGTCAGAGTTCAAGACCA
 GCCTGGCCAACATGGTGAACCCCTGTCTCTACAAAAATACAAAAATTAGCTGGGTGTGGTGGCGGGCGCC
 TATAATCTAGCTACTAGGGAGGCCAAGGTGGGAGATCGCTTAAACCCAGGAGGTGGAGTTGTAGTGAG
 CCAAGATTGCACCACGGCAGCTAGCCTGGGTGACACAGCAAGACTCCATCTCAAAAAAAAAAAAAAATT
 ACTTTCAACAAGGCATATAGTCTTTGTAATATATATGTATACTATTACATTGTACAGAATCTGTACTTA
 TGTTTGGTGTGTAATATACCAATTAGTTTTATATAATATCCTCATAAGCTATTCTAATTTTTGAGAGAAA
 CACAAAAAGTTATAGATTGATAGTCTGTATAATATTAGACAAAATAGTAAAGCTTTATAAAAAAGTTATTTT
 TGGTAAATGGTAAGGAATTTGGGGTGAATGTGATGAGATTAATGTAGCTTTGGTATAACTTCATGTG
 TATTTCAAAAATATACTGAACGTCAACATGATTTGAATAAAGAAAATGATTTTTCTACTTGAACCACATAA
 CACTGTTATTTAAAACAGTTTTCTGCAGTCTATAAACATTTCTCAACATTTTTTAAAAGTCTTAGTTAA
 AATGTAATCTGATATACAGTAGTGTCTCAAAGTATAGTTCATGAACCTCTGCATCATAATTACCTA
 GATGCCTCTTAAAAATGAAGATTTGAGAGCCATTCTAAACAAGGGCATTCACTCTCTGGAAGTAGCAT
 GGCTTTGTGAACCTAAAATTTGGTTTTGTTTTTTTTCTTTTGTCTGTTAGAATAATTTGAGACCCAAAGG
 AATTTGATTATTAAGTTGAGAAATTTCAAAAACTGCCTGGCACACAAGCACACACATACATAGACAC
 ATTTTAAAGTGATAATCTCTTGATATTAGAAGTTGCATTTGTTAAATACATGCTGTATTTTTATGAGTTG
 ACTTAATAGTTTATGTATATTGACTTTGCTTTGTAGGAAGTAAATCACCAGATATCTTATTGTTTCATTT
 AGGAAAGTAGTGATATAGATGAAGAGCCAACCTGATGAATGTGCTATTCATAAGCTAGAACTACAGTTT
 TTCCAACTAATAAACTGATGAATTCTAAATAAGTTGAGAGATATAGTCATATTTAAAGTTGCTCTACAG
 TTTGCAGATAATTTTTATTTACTATTCTTACATTAACCTTCTGCTTATTTTTAATGGTACTATATGTAG
 GCCTTATTAATAAAGATTGTATGGTTAAGTAAAGTTAACAAGAAAGCCTGATTTATCTTTAATTTCTGT
 GCTAGGTAATTTGATTCTACATGAACAATACCCTTTTCAGTTCCCTTCTTCTAATGTCCTCAACTGTT
 ACCAAATACCCTGTTGACTCCCAAACCTAAGATTTTAGCTCAACTTCTTTTCTGAACCTCAAATCTTAA
 TTTCCAAGTTATACTTGTCTAGGTCCATCTAAATGGTCTACAGAGAAGTTCAAGTTGAATCATAGCTGGA
 AACAGAATTTATTTCTCTATTTGCTTCATTCTGCTCTCCAC

ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCG

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_194454.1](#)

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