

## Product datasheet for RC204367

### Kazrin (KAZN) (NM\_001017999) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kazrin (KAZN) (NM_001017999) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kazrin
Synonyms:	C1orf196; KAZ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC204367 representing NM_001017999 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATCGGGCGGCCGACTCGGGCTCGTGGGAGCGGTCCGCCAGCTCGCGGCGCAGGGCGAGCCGGCGCCTT  
CCTGCGGGGGCGGGGCCGGGCCCGCGGGCCCCGGGACCCGAGCCTGCGAGCAGTGCCTGGACCGGC  
GGGGCCCGCGATCGGCCCGCGCGGGTTCGCCGGTCCGAGCGGATGGCGACTGCAGCCAGCCCGT  
CTCCTGCGGGAAGAAGTGTGCGGCTCCAGGAGGAAGTTCACCTTCTCCGGCAGATGAAGGAGATGTTGG  
CGAAGGACCTGGAGGAGTCGAGGGCGCAAGTCTCTGAGGTCTCTCGCCACCGAGCTCAGGTTCCA  
GCTGGCCCAAGGAGCAGGAGCTAGCCAGAGCCAAGAAGCCTTGCAGGCCATGAAAGCTGATCGGAAG  
CGCTTAAAGGGCGAGAAGACAGACCTGGTGAGCCAGATGCAGCAGCTGTATGCCACACTGGAGAGCCGCG  
AGGAGCAGCTCCGAGACTTCATCCGCAACTATGAGCAGCACCGCAAGGAGAGCGAGGATGCGGTCAAAGC  
GCTGGCCAAGGAGAAGGACCTGCTGGAGCGTGAGAAGTGGGAGCTGCGGCGCCAAGCCAAGGAGGCCACA  
GACCACGCCACGGCACTGCGCTCCAGCTGGACCTCAAGGACAACCGGATGAAGGAGCTGGAGGCCGAGC  
TGGCATGGCCAAACAGTCCCTTAGCTACGCTGACCAAGGACGTCGCCAAGCGGCATTCCCTCGCCATGCC  
GGGCGAGACGGTGTCAATGGCAACCAGGAGTGGTGGTGCAGGGCGACCTCCGCTGACCGCAGCCATC  
CGGCAGAGTCAACAGACTCTTACCCTCACACCCCTCACCTGCGGACCGGCAAGCGGTGAGGTTGA  
GCCCTGCCACTCCCGGACGCCCTCTGTATCTCCGACGATCTGCCGCGAAGGGCAGCCGTCGTTCCAC  
ACCGAGCGACATCAACTCCCTCGACACCGGACACTCCCTCTGCAACGCGCAGTCCCGGCCAGTT  
CAGAAGAACCCTGCACAACCCTATTGTACAGTCACTAGAGGATCTTGAAGACCAAAAACGAAAAAGAAGA  
AAGAGAAGATGGGATTCGGCTCCATCTCCCGCTCTTCGCCAGAGGGAAGCAGCGGAAGTCCCTCGACCC  
CGGCTCTTTGATGGTACCGCCCTGATTATTACATAGAGGAGGACGCGGACTGG

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC204367 representing NM\_001017999  
 Red=Cloning site Green=Tags(s)

MRAADSGSWERVRQLAAQGEPAPSCGAGAGPARPPGPAACEQCVDAAAGPDRPRAGVPRVRADGDCSQPV  
 LLREEVSRLLQEEVHLLRQMKEMLAKDLEESQGGKSSEVL SATELRVQLAQKEQELARAKEALQAMKADRK  
 RLKGEKTDLVSQMQQLYATLESREEQLRDFIRNYEQHRKESDAVKALAKEKDLLEREKWLRRQAKEAT  
 DHATALRSQDLKDNRMKLEAEELAMAKQSLATLTKDVPKRHSLAMPGETVLNGNQEWVVQADLPLTAAI  
 RQSQQTLYHSHPPHADRQAVRVSPCHSRQPSVSDASAAEGDRSSTPSDINSRHRTHSLCNGDSPGPV  
 QKNLHNPVIVQSLEDLEDQKRKKKKEKMGFGSISRVFARGKQRKSLDPGLFDGTAPDYIIEEDADW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001017999

**ORF Size:** 1245 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001017999.1](#), [NM\\_001017999.2](#), [NP\\_001017999.1](#)

**RefSeq Size:** 3653 bp

**RefSeq ORF:** 984 bp

**Locus ID:** 23254

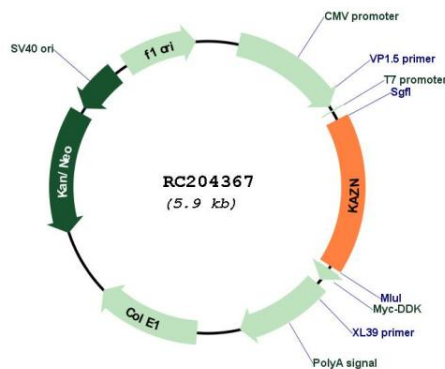
**UniProt ID:** [Q674X7](#)

**Cytogenetics:** 1p36.21

**MW:** 46.2 kDa

**Gene Summary:** This gene encodes a protein that plays a role in desmosome assembly, cell adhesion, cytoskeletal organization, and epidermal differentiation. This protein co-localizes with desmoplakin and the cytolinker protein periplakin. In general, this protein localizes to the nucleus, desmosomes, cell membrane, and cortical actin-based structures. Some isoforms of this protein also associate with microtubules. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional splice variants have been described but their biological validity has not been verified. [provided by RefSeq, Aug 2011]

## Product images:



Circular map for RC204367