

Product datasheet for **RC216193**

Kazrin (KAZN) (NM_015209) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kazrin (KAZN) (NM_015209) 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)



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ORF Nucleotide Sequence:

>RC216193 representing NM_015209
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCC

ATGATGGAAGACAATAAGCAGCTCGCGCTCCGCATCGATGGGGCGGTCCAGTCGCCAGCCAGGAGGTGA
 CCAACCTGCGAGCCGAACCTCACGGCCACCAACCGGAGACTGGCGAACTGAGCGGGCGCGGCCCGG
 CCCGGGCCCGGGAGCCGCGGCCAGCGCCTCGGCGCGGGGGACTCGGCGGCGACGAACATGGAGAACCC
 CAGCTTGGAGCGCAAGTCTCTGCGGGAAGAAGTGTGCGGCTCCAGGAGGAAGTTCACCTTCTCCGGC
 AGATGAAGGAGATGTTGGCGAAGGACCTGGAGGAGTCGAGGGCGGCAAGTCTCTGAGGTCTCTCGGC
 CACCGAGCTCAGGTCCAGCTGGCCAGAAGGAGCAGGAGCTAGCCAGAGCCAAAGAAGCCTTGCAGGCC
 ATGAAAGTGTATCGGAAGCGCTAAAGGGCGAGAAGACAGACCTGGTGAAGCAGATGCAGCAGCTGTATG
 CCACACTGGAGAGCCGCGAGGAGCAGCTCCGAGACTTCATCCGCAACTATGAGCAGCACCCGAAGGAGAG
 CGAGGATGCGGTCAAAGCGCTGGCAAGGAGAAGGACCTGCTGGAGCGTGAGAAGTGGGAGCTGCGGCGC
 CAAGCCAAGGAGGCCACAGACCACGCCACGGCACTGCGCTCCAGCTGGACCTCAAGGACAACCGGATGA
 AGGAGCTGGAGGCCGAGCTGGCCATGGCCAAACAGTCCTTAGCTACGCTGACCAAGGACGTCCTCCAGCG
 GCATTCCTCGCCATGCCGGGCGAGACGGTGCTCAATGGCAACCAGGAGTGGGTGGTGCAGGCGGACCTC
 CCGCTGACCGCAGCCATCCGGCAGAGTCAACAGACTCTTACCACTCACACCCCTCACCTGCGGACC
 GGCAAGCGGTGAGGTGAGCCCCGCCACTCCCGGCGAGCCCTCTGTATCTCCGACGCATCTGCCCGCA
 AGGCGACCGGTGTCACACCGAGCGACATCACTCCCTCGACACCGGACACACTCCCTTGCACCGGC
 GACAGTCCCGGCCAGTTCAGAAGAACCTGCACAACCTATTGTACAGTCACTAGAGGATCTTGAAGACC
 AAAAAACGGAAAAAGAAGAAGAGAAGATGGGATTCGGCTCCATCTCCCGCGTCTTCCGAGAGGGAAGCA
 GCGGAAGTCCCTCGACCCCGGCTCTTTGATGGTACCGCCCTGATTATTACATAGAGGAGGACGCGGAC
 TGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC216193 representing NM_015209
 Red=Cloning site Green=Tags(s)

MMEDNKQLALRIDGAVQSASQEVTLNRAELTATNRRLAELSGGGGPGPGGAAASASAAGDSAATNMENP
 QLGAQVLLREEVSRLEEVHLLRQMKEMLAKDLEESQGGKSSEVLSATELRVQLAQKEQELARAKEALQA
 MKADRKRLKGEKTDLVSQMQLYATLESREEQLRDFIRNYEQHRKESEDAVKALAKEKDLLEREKWLRR
 QAKEATDHATALRSQDLKDNRMKELEAELAMAKQSLATLTKDVPKRHSLAMPGETVLNGNQEWVQADL
 PLTAAIRQSQQLYHSHPPHADRQAVRVSPCHSRQPSVISDASAAEGDRSSTPSDINSRHRTHSLCNG
 DSPGPVQKLNHNPIVQSLEDLEDQKRKKKKEKMGFGSISR VFARGKQRKSLDPGLFDGTAPDYIIEEDAD
 W

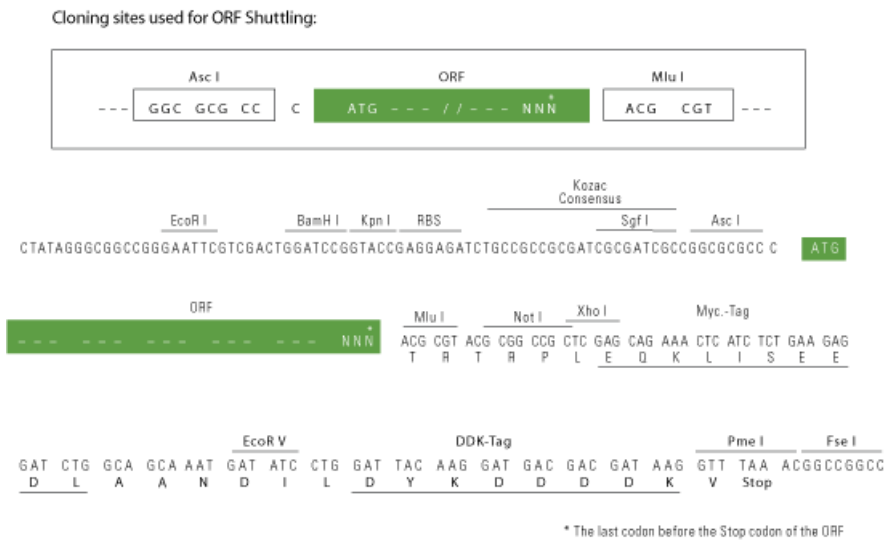
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg4712_h03.zip

Restriction Sites:

Ascl-Mlul

Cloning Scheme:


ACCN: NM_015209

ORF Size: 1263 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_015209.2](#), [NP_056024.1](#)

RefSeq Size: 1475 bp

RefSeq ORF: 1266 bp

Locus ID: 23254

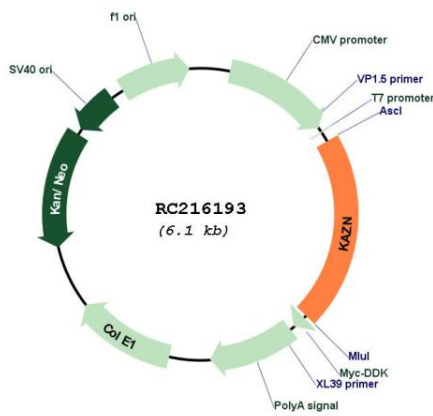
UniProt ID: [Q674X7](#)

Cytogenetics: 1p36.21

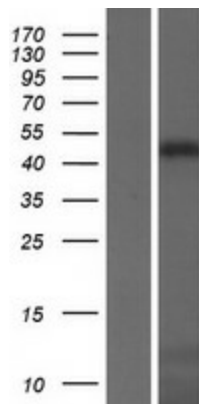
MW: 46.6 kDa

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 RC216193



Western blot validation of overexpression lysate (Cat# [LY414731]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216193 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).