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Product datasheet for RC219407

Kazrin (KAZN) (NM_001018001) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kazrin (KAZN) (NM_001018001) 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:

>RC219407 representing NM_001018001
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGGAGATGTTGGCGAAGGACCTGGAGGAGTCGCAGGGCGGCAAGTCCTCTGAGGTCCTCTCGGCCA
CCGAGCTCAGGGTCCAGCTGGCCCAGAAGGAGCAGGAGCTAGCCAGAGCCAAAGAAGCCTTGCAGGCCAT
GAAAGCTGATCGGAAGCGCTTAAAGGGCGAGAAGACAGACCTGGTGAGCCAGATGCAGCAGCTGTATGCC
ACACTGGAGAGCCGCGAGGAGCAGCTCCGAGACTTCATCCGCAACTATGAGCAGCACCGCAAGGAGAGCG
AGGATGCGGTCAAAGCGCTGGCCAAGGAGAAGGACCTGCTGGAGCGTGAGAAGTGGGAGCTGCGGCGCCA
AGCCAAGGAGGCCACAGACCACGCCACGGCACTGCGCTCCCAGCTGGACCTCAAGGACAACCGGATGAAG
GAGCTGGAGGCCGAGCTGGCCATGGCCAAACAGTCCTTAGCTACGCTGACCAAGGACGTCCCCAAGCGGC
ATTCCCTCGCCATGCCGGGCGAGACGGTGCTCAATGGCAACCAGGAGTGGGTGGTGCAGGCGGACCTCCC
GCTGACCGCAGCCATCCGGCAGAGTCAACAGACTCTCTACCACTCACACCCCCCTCACCCTGCGGACCGG
CAAGCGGTCAGGGTGAGCCCCTGCCACTCCCGGCAGCCCTCTGTCATCTCCGACGCATCTGCCGCCGAAG
GCGACCGGTCGTCCACACCGAGCGACATCAACTCCCCTCGACACCGGACACACTCCCTCTGCAACGGCGA
CAGTCCCGGCCCAGTTCAGAAGAACCTGCACAACCCTATTGTACAGTCACTAGAGGATCTTGAAGACCAA
AAACGGAAAAAGAAGAAAGAGAAGATGGGATTCGGCTCCATCTCCCGCGTCTTCGCCAGAGGGAAGCAGC
GGAAGTCCCTCGACCCCGGCCTCTTTGATGGTACCGCCCCTGATTATTACATAGAGGAGGACGCGGACTG
G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

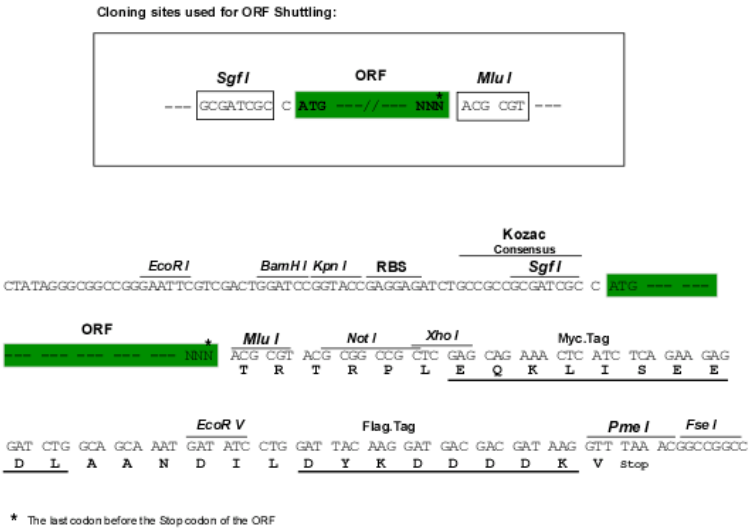
>RC219407 representing NM_001018001
Red=Cloning site Green=Tags(s)

MKEMLAKDLEESQGGKSSEVLSATELRVQLAQKEQELARAKEALQAMKADRKRLKGEKTDLVSQMQQLYA
TLESREEQLRDFIRNYEQHRKESEDAVKALAKEKDLLEREKWELRRQAKEATDHATALRSQLDLKDNRMK
ELEAELAMAKQSLATLTKDVPKRHSLAMPGETVLNGNQEWVVQADLPLTAAIRQSQQTLYHSHPPHPADR
QAVRVSPCHSRQPSVISDASAAEGDRSSTPSDINSPRHRTHSLCNGDSPGPVQKNLHNPIVQSLEDLEDQ
KRKKKKEKMGFGSISRVFARGKQRKSLDPGLFDGTAPDYYIEEDADW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001018001

ORF Size: 981 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_001018001.2, NP_001018001.1

RefSeq Size: 3643 bp

RefSeq ORF: 984 bp

Locus ID: 23254

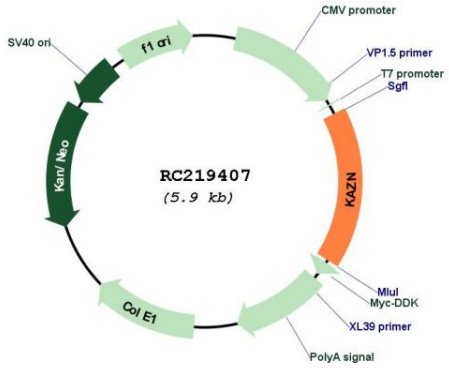
UniProt ID: Q674X7

Cytogenetics: 1p36.21

MW: 37 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 RC219407