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Product datasheet for MG215840

Kazn (NM_144531) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Kazn
Synonyms:	2310007B04Rik; 9030409G11Rik; AI256607; AI666764; AW061099; Kaz; Kazrin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG215840 representing NM_144531
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGGAAGACAATAAGCAGCTCGCGCTCCGCATCGATGGGGCGGTCCAGTCGGCCAGCCAGGAGGTGA
CCAACCTGCGAGCCGAACTCACGGCCACCAACCGGAGACTGGCGGAATTGAGCGGCGGAGGCGGCGGCCC
CGGCTCGGGCCCGGGAGCTGCGACCAGCGCCTCGGCAGCAGCGGTGACGGTGGCTGACTCGGCAGTGGCG
ACCATGGAGAACCATCAGCACGGAGCTCAAGTGCTCCTGCGGGAGGAAGTGGTCCAGCTTCAAGAGGAAG
TGCACCTTCTCCGGCAGATGAAGGAAATGCTGGCGAAGGACCTGGAGGAGTCACAGGGCGGCAAGTGCTC
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AGGACAACCGCATGAAGGAGCTGGAGGCGGAGCTCGCCATGGCCAAGCAGTCCTTAGCCACTCTGACCAA
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GTGCAGGCTGACCTCCCACTGACTGCTGCCATCCGGCAAAGCCAACAGACTCTCTACCACTCACACCCTC
CCCACCCTGCAGACCGGCAAGTCAGGGTGAGCCCCTGCCACTCAAGACAGCCCTCCGTCATCTCTGATGC
TTCTGCTGCTGAAGGTGACCGGTCATCTACACCAAGCGACATCAACTCCCCAAGACACCGGACACACTCC
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CGCCACAGCCTCAGCCTGTCTGAGGGAGAGGAGCAGATGGACCGTCTGCAGCACGTGGAGCTGGTGAGGA
CCACGCCCATGTCGCACTGGAAGGCTGGCACAGTGCAGGCCTGGCTGGAGGTGGTGATGGCCATGCCCAT
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GAGTTGGGCCTGGGAGTGTGCAGCTCCTTGCACAGGCGCAAGCTCCGCCTGGCCATTGAGGACTACCGAG
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TCACTGATGAAGCGGGACCTGGAGAAACACCTGAACGTGTCCAAGAAGTTCCACCAAGTTAGCATCTTGC
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AACACAGAACACAGACCCTGTGGTCTGGACCAACCAGCGGGTGCTCAAGTGGGTGCGCGATATCGACCTG
AAGGAGTATGCAGACAACCTGACCAATAGCGGTGTCCATGGTGCTGTGCTGGTCCTGGAGCCCACATTCA
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GCCGGCTGCCCCTGGGGAAGATAGGAAGGGGCTTCAGCAGCAAAGAGCCCGATTTCCATGATGACTATGG
CTCTCTGGAGAACGAGGACTGTGGGGATGAGGACCTCCAAGGCAGGCCGGAACAGTGCCGTCTGGAGGGA
TACGGCAGCTTGGAGGTCACCAATGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

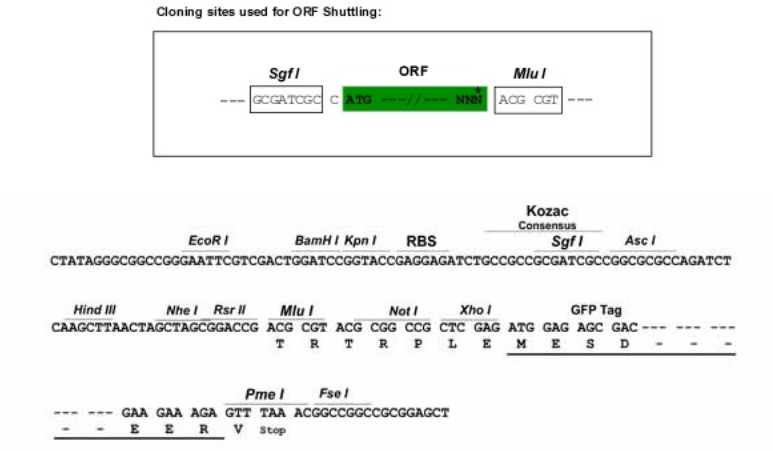
>MG215840 representing NM_144531
Red=Cloning site Green=Tags(s)

MMEDNKQLALRIDGAVQSASQEVTNLRAELTATNRRLAELSGGGGGPGSGPGAATSASAAAVTVADSAVA
TMENHQHGAQVLLREEVVQLQEEVHLLRQMKEMLAKDLEESQGGKCSEVLSATELRVQLVQKEQELARAK
EALQAMKADRKRLKGEKTDLVSQMQQLYATLESREEQLRDFIRNYEQHRKESEDAVKALAKEKDLLEREK
WELRRQAKEATDHAAALRSQLDLKDNRMKELEAELAMAKQSLATLTKDVPKRHSLAMPGETVLNGNQEWV
VQADLPLTAAIRQSQQTLYHSHPPHPADRQVRVSPCHSRQPSVISDASAAEGDRSSTPSDINSPRHRTHS
LCNGDSPGPVQKSLHNPIVQSLEDLEDQKRKKKKEKMGFGSISRVFARGKQRKSLDPGLFDDSDSQCSPT
RHSLSLSEGEEQMDRLQHVELVRTTPMSHWKAGTVQAWLEVVMAMPMYVKACAENVKSGKVLLSLSDEDL
ELGLGVCSSLHRRKLRLAIEDYRDAEAGRSLSKAADLDHHWVAKAWLNDIGLSQYSQAFQNHLVDGRMLN
SLMKRDLEKHLNVSKKFHQVSILLGIELLYQVNFSREALQERRARCETQNTDPVVWTNQRVLKWVRDIDL
KEYADNLTNSGVHGAVLVLEPTFNAEAMATALGIPSGKHILRRHLAEEMSTIFHPSNSTGIRESERFGTP
PGRASSITRAGREDSGGNSKHRAGRLPLGKIGRGFSSKEPDFHDDYGSLENEDCGDEDLQGRPEQCRLEG
YGSLEVTNV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_144531

ORF Size: 2337 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_144531.3, NP_653114.3

RefSeq Size: 4914 bp

RefSeq ORF: 2340 bp

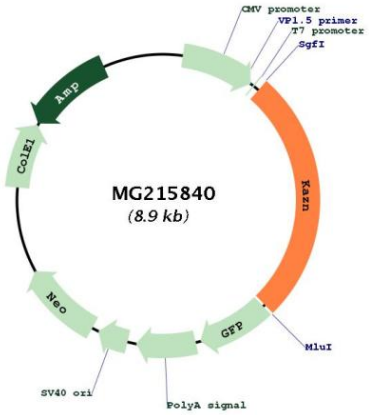
Locus ID: 71529

UniProt ID: Q69ZS8

Cytogenetics: 4 E1

Gene Summary: Component of the cornified envelope of keratinocytes. May be involved in the interplay between adherens junctions and desmosomes. The function in the nucleus is not known. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG215840