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Product datasheet for RG213977

Kazrin (KAZN) (NM_201628) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Kazrin
Synonyms:	C1orf196; KAZ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG213977 representing NM_201628
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGGAAGACAATAAGCAGCTCGCGCTCCGCATCGATGGGGCGGTCCAGTCGGCCAGCCAGGAGGTGA
CCAACCTGCGAGCCGAACTCACGGCCACCAACCGGAGACTGGCGGAACTGAGCGGCGGCGGCGGCCCCGG
CCCGGGCCCGGGAGCCGCGGCCAGCGCCTCGGCGGCGGGGGACTCGGCGGCGACGAACATGGAGAACCCC
CAGCTTGGAGCGCAAGTGCTCCTGCGGGAAGAAGTGTCGCGGCTCCAGGAGGAAGTTCACCTTCTCCGGC
AGATGAAGGAGATGTTGGCGAAGGACCTGGAGGAGTCGCAGGGCGGCAAGTCCTCTGAGGTCCTCTCGGC
CACCGAGCTCAGGGTCCAGCTGGCCCAGAAGGAGCAGGAGCTAGCCAGAGCCAAAGAAGCCTTGCAGGCC
ATGAAAGCTGATCGGAAGCGCTTAAAGGGCGAGAAGACAGACCTGGTGAGCCAGATGCAGCAGCTGTATG
CCACACTGGAGAGCCGCGAGGAGCAGCTCCGAGACTTCATCCGCAACTATGAGCAGCACCGCAAGGAGAG
CGAGGATGCGGTCAAAGCGCTGGCCAAGGAGAAGGACCTGCTGGAGCGTGAGAAGTGGGAGCTGCGGCGC
CAAGCCAAGGAGGCCACAGACCACGCCACGGCACTGCGCTCCCAGCTGGACCTCAAGGACAACCGGATGA
AGGAGCTGGAGGCCGAGCTGGCCATGGCCAAACAGTCCTTAGCTACGCTGACCAAGGACGTCCCCAAGCG
GCATTCCCTCGCCATGCCGGGCGAGACGGTGCTCAATGGCAACCAGGAGTGGGTGGTGCAGGCGGACCTC
CCGCTGACCGCAGCCATCCGGCAGAGTCAACAGACTCTCTACCACTCACACCCCCCTCACCCTGCGGACC
GGCAAGCGGTCAGGGTGAGCCCCTGCCACTCCCGGCAGCCCTCTGTCATCTCCGACGCATCTGCCGCCGA
AGGCGACCGGTCGTCCACACCGAGCGACATCAACTCCCCTCGACACCGGACACACTCCCTCTGCAACGGC
GACAGTCCCGGCCCAGTTCAGAAGAACCTGCACAACCCTATTGTACAGTCACTAGAGGATCTTGAAGACC
AAAAACGGAAAAAGAAGAAAGAGAAGATGGGATTCGGCTCCATCTCCCGCGTCTTCGCCAGAGGGAAGCA
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AGCCTGTCGGAAGGCGAGGAGCAGATGGACCGGCTGCAGCAGGTGGAGCTGGTGAGGACCACCCCTATGT
CCCACTGGAAGGCGGGCACCGTCCAGGCCTGGCTGGAGGTGGTGATGGCCATGCCTATGTACGTCAAGGC
CTGCACGGAGAACGTGAAGAGCGGGAAGGTGCTGCTGAGCCTGAGTGACGAGGACCTGCAGCTGGGCCTT
GGGGTGTGCAGCTCCCTGCACCGGCGCAAGCTGCGCCTGGCCATCGAGGACTACCGTGATGCCGAGGCAG
GCCGCAGCCTGTCCAAAGCTGCCGAGCTGGACCATCACTGGGTGGCCAAGGCCTGGCTGAATGACATTGG
CCTGTCCCAGTACTCCCAGGCCTTTCAGAACCACCTGGTTGATGGGCGGATGCTGAATTCCCTGATGAAG
CGAGACCTGGAGAAGCACCTGAACGTGTCCAAGAAGTTCCACCAGGTCAGCATCCTGCTGGGGATCGAGC
TGCTGTACCAAGTGAACTTCAGCAGGGAGGCCCTCCAGGAGCGCCGGGCCCGCTGCGAGACGCAGAACAT
TGACCCCGTGGTGTGGACCAACCAGCGGGTGCTCAAGTGGGTTCGAGACATCGACCTGAAGGAGTACGCA
GACAACCTGACCAACAGCGGCGTCCATGGTGCTGTGCTGGTGCTGGAGCCCACATTCAATGCCGAGGCCA
TGGCCACTGCCCTGGGCATCCCCAGTGGGAAGCACATCCTCCGGAGACACCTGGCAGAGGAGATGAGCGC
CGTCTTCCACCCAGCCAACTCCACAGGCATCCGGGAGGCTGAGCGTTTTGGAACGCCCCCTGGCAGGGCC
TCCAGCGTCACGCGGGCAGGAAAGGAGGAGAACAGCAGCGGTCTCAAGTACAAGGCTGGCCGGCTGCCCC
TGGGGAAGATAGGAAGGGGCTTCAGCAGCAAAGATCCCGATTTCCATGATGACTATGGCTCTCTTCAAAA
CGAAGATTGCGGAGACGATGACCCCCAGAGCAGGCTGGAACAGTGCCGTCTGGAAGGCTACAACAGCCTG
GAGGTCACCAACGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

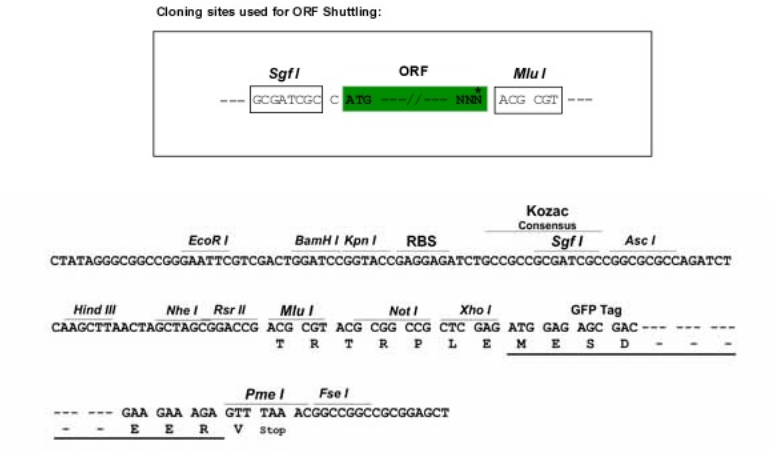
>RG213977 representing NM_201628
Red=Cloning site Green=Tags(s)

MMEDNKQLALRIDGAVQSASQEVTNLRAELTATNRRLAELSGGGGPGPGPGAAASASAAGDSAATNMENP
QLGAQVLLREEVSRLQEEVHLLRQMKEMLAKDLEESQGGKSSEVLSATELRVQLAQKEQELARAKEALQA
MKADRKRLKGEKTDLVSQMQQLYATLESREEQLRDFIRNYEQHRKESEDAVKALAKEKDLLEREKWELRR
QAKEATDHATALRSQLDLKDNRMKELEAELAMAKQSLATLTKDVPKRHSLAMPGETVLNGNQEWVVQADL
PLTAAIRQSQQTLYHSHPPHPADRQAVRVSPCHSRQPSVISDASAAEGDRSSTPSDINSPRHRTHSLCNG
DSPGPVQKNLHNPIVQSLEDLEDQKRKKKKEKMGFGSISRVFARGKQRKSLDPGLFDDSDSQCSPTRQSL
SLSEGEEQMDRLQQVELVRTTPMSHWKAGTVQAWLEVVMAMPMYVKACTENVKSGKVLLSLSDEDLQLGL
GVCSSLHRRKLRLAIEDYRDAEAGRSLSKAAELDHHWVAKAWLNDIGLSQYSQAFQNHLVDGRMLNSLMK
RDLEKHLNVSKKFHQVSILLGIELLYQVNFSREALQERRARCETQNIDPVVWTNQRVLKWVRDIDLKEYA
DNLTNSGVHGAVLVLEPTFNAEAMATALGIPSGKHILRRHLAEEMSAVFHPANSTGIREAERFGTPPGRA
SSVTRAGKEENSSGLKYKAGRLPLGKIGRGFSSKDPDFHDDYGSLQNEDCGDDDPQSRLEQCRLEGYNSL
EVTNV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_201628

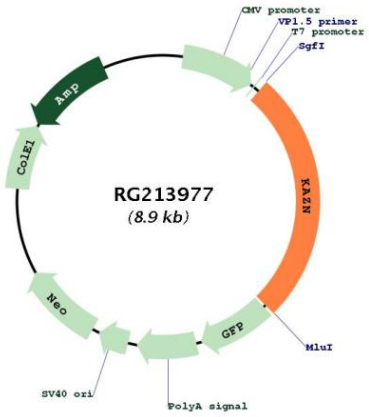
ORF Size: 2325 bp

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_201628.3
RefSeq Size:	6047 bp
RefSeq ORF:	2328 bp
Locus ID:	23254
UniProt ID:	Q674X7
Cytogenetics:	1p36.21
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 RG213977