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Product datasheet for RC219112

ZNF836 (NM_001102657) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF836 (NM_001102657) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF836
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC219112 ORF sequence, codon optimized.
Due to the complexity of NM_001102657, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTCTCACACAGGGACCACTGACCTTTAGAGATGTGGCAATCGAGTTTTCCCAGGAGGAATGGAAAA
GTCTGGATCCAGTGCAAAAGGCTCTCTATTGGGACGTGATGTTGGAGAATTACCGGAATCTGGTATTCCT
CGGAATCCTGCCAAAGTGTATGACTAAGGAACTGCCCCCCATTGGTAATTCCAATACGGGGGAAAAGTGC
CAAACCGTGACTTTGGAGAGACACGAATGTTATGATGTGGAAAACTTTTACCTCAGAGAGATTCAGAAAA
ATCTGCAGGACTTGGAGTTTCAGTGGAAAGACGGCGAGATTAATTATAAGGAGGTGCCGATGACATATAA
GAACAATCTTAATGGAAAGAGGGGGCAGCACTCTCAAGAGGATGTCGAGAACAAGTGTATTGAGAATCAG
CTGACCCTGAGCTTTCAGAGCAGACTCACTGAGCTGCAAAAATTTCAGACAGAGGGAAAAATTTATGAAT
GTAATCAGTCAGAGAAAACTGTGAACAACAGCAGTCTGGTGTCTCCTCTGCAGCGAATTCTTCCATCTGT
GCAGACTAATATATCAAAGAAATATGAGAATGAGTTCTTGCAGCTTTCCCTTCCTACACAGCTGGAAAAG
ACCCACATCCGCGAGAAGCCTTACATGTGTAAGGGCTGCGGGAAGGCCTTCAGGGTGTCCTCCTCTCTGA
TCAACCATCAGATGGTGCACACAACAGAGAAGCCTTATAAATGCAACGAATGCGGCAAGGCTTTCCACCG
AGGGAGCCTGCTCACAATCCACCAGATCGTGCATACAAGGGGAAAGCCCTATCAATGTGGCGTTTGCGGT
AAGATCTTCCGCCAAAACAGCGACCTGGTGAATCACAGGCGGAGCCATACTGGTGAAAAACCCTACAAGT
GCAATGAATGCGGAAAATCATTTTCTCAGTCTTACAATCTGGCAATTCACCAGAGAATCCACACCGGAGA
AAAACCTTACAAGTGTAACGAATGCGGGAAGACGTTTAAACAGGGATCTTGCCTCACCACGCATCAAATC
ATTCACACTGGCGAAAAGCCCTACCAGTGCGACATCTGCGGGAAGGTTTTCAGGCAGAATTCTAATCTGG
TCAACCACCAGAGGATTCATACGGGGGAGAAGCCGTACAAGTGCAATATCTGTGGTAAGAGCTTCTCACA
ATCCAGTAACCTGGCCACACACCAGACGGTTCACAGTGGCAATAAGCCATACAAGTGCGACGAGTGTGGC

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AAGACCTTCAAACGAAGCTCTTCACTGACCACGCACCAGATTATCCACACTGGAGAAAAACCCTATACCT
GCGATGTGTGCGACAAGGTCTTTTCCCAGAGGAGCCAACTGGCTCGGCATCAACGCTCCCATACAGGCGA
GAAACCCTACAAATGCAACGAGTGTGGAAAGGTCTTCAGTCAGACCTCACATCTGGTTGGTCATCGGCGG
ATTCACACCGGCGAGAAGCCTTACAAGTGTGATAAGTGCGGAAAGGCTTTCAAGCAAGGGTCCCTCCTTA
CGAGACACAAAATTATCCACACCCGGGAAAAGCGCTACCAATGTGGCGAGTGTGGAAAGGTATTTAGTGA
AAATTCCTGTCTTGTGAGGCATCTCCGGATCCATACAGGCGAGCAACCCTACAAGTGCAACGTGTGTGGG
AAAGTGTTCAATTACTCTGGAAACCTCAGCATTCACAAACGAATCCACACGGGCGAAAAGCCATTTCAGT
GTAACGAATGCGGGACCGTATTCAGAAATTACAGTTGCCTGGCCCGGCACCTGAGGATCCACACCGGGCA
GAAACCATACAAATGCAACGTTTGTGGAAAGGTCTTCAATGACTCAGGCAACCTGTCAAATCATAAACGA
ATTCACACCGGCGAGAAGCCATTTCAATGTAACGAGTGCGGCAAGGTATTCAGCTATTATTCCTGCTTGG
CACGCCACCGAAAAATTCACACCGGAGAGAAGCCGTATAAATGCAATGATTGCGGGAAAGCTTATACACA
GCGATCATCACTGACGAAACACCTGATCATACATACCGGGGAGAAACCTTACAATTGCAACGAATTTGGC
GGGGCCTTCATACAGAGCTCAAAACTCGCTCGGTACCACCGGAACCCAACTGGAGAGAAGCCCCATAAAT
GCAGCCATTGCGGCCGGACATTCTCCCACATTACCGGGTTGACCTACCATCAGCGGAGGCACACCGGTGA
GATGCCATACAAGTGCATTGAGTGCGGCCAGGTGTTTAACTCTACCAGCAATCTGGCCCGCCACAGGCGC
ATACATACCGGGGAGAAACCCTATAAGTGTAATGAGTGCGGCAAAGTGTTTCGCCATCAATCCACACTGG
CTAGACACCGATCTATACACACTGGTGAGAAACCCTACGTTTGCAACGAGTGCGGCAAAGCATTTCGGGT
TAGGAGCATCCTGGTAAACCATCAGAAAATGCATACGGGCGACAAGCCCTACAAATGTAACGAGTGCGGC
AAGGCTTTTATTGAACGCTCAAAACTCGTCTACCATCAGCGGAACCACACGGGAGAAAAGCCCTATAAAT
GTATTGAGTGTGGGAAGGCATTTGGCCGATTCTCCTGCCTGAATAAACATCAAATGATCCATAGCGGGGA
AAAGCCATATAAATGCAATGAGTGCGGGAAGTCCTTTATTTCTCGCAGTGGGCTGACGAAACACCAGACT
AAGCATACCGCCGAGTCCCTGAAAACAAAGTTTAATGTAGAAAAACCCCTTGACGTGCTTCTTACCAGTG
GATTCAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC219112 representing NM_001102657
Red=Cloning site Green=Tags(s)

MALTQGPLTFRDVAIEFSQEEWKSLDPVQKALYWDVMLENYRNLVFLGILPKCMTKELPPIGNSNTGEKC
QTVTLERHECYDVENFYLREIQKNLQDLEFQWKDGEINYKEVPMTYKNNLNGKRGQHSQEDVENKCIENQ
LTLSFQSRLTELQKFQTEGKIYECNQSEKTVNNSSLVSPLQRILPSVQTNISKKYENEFLQLSLPTQLEK
THIREKPYMCKGCGKAFRVSSSLINHQMVHTTEKPYKCNECGKAFHRGSLLTIHQIVHTRGKPYQCGVCG
KIFRQNSDLVNHRRSHTGEKPYKCNECGKSFSQSYNLAIHQRIHTGEKPYKCNECGKTFKQGSCLTTHQI
IHTGEKPYQCDICGKVFRQNSNLVNHQRIHTGEKPYKCNICGKSFSQSSNLATHQTVHSGNKPYKCDECG
KTFKRSSSLTTHQIIHTGEKPYTCDVCDKVFSQRSQLARHQRSHTGEKPYKCNECGKVFSQTSHLVGHRR
IHTGEKPYKCDKCGKAFKQGSLLTRHKIIHTREKRYQCGECGKVFSENSCLVRHLRIHTGEQPYKCNVCG
KVFNYSGNLSIHKRIHTGEKPFQCNECGTVFRNYSCLARHLRIHTGQKPYKCNVCGKVFNDSGNLSNHKR
IHTGEKPFQCNECGKVFSYYSCLARHRKIHTGEKPYKCNDCGKAYTQRSSLTKHLIIHTGEKPYNCNEFG
GAFIQSSKLARYHRNPTGEKPHKCSHCGRTFSHITGLTYHQRRHTGEMPYKCIECGQVFNSTSNLARHRR
IHTGEKPYKCNECGKVFRHQSTLARHRSIHTGEKPYVCNECGKAFRVRSILVNHQKMHTGDKPYKCNECG
KAFIERSKLVYHQRNHTGEKPYKCIECGKAFGRFSCLNKHQMIHSGEKPYKCNECGKSFISRSGLTKHQT
KHTAESLKTKFNVEKPLDVLLTSGFK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

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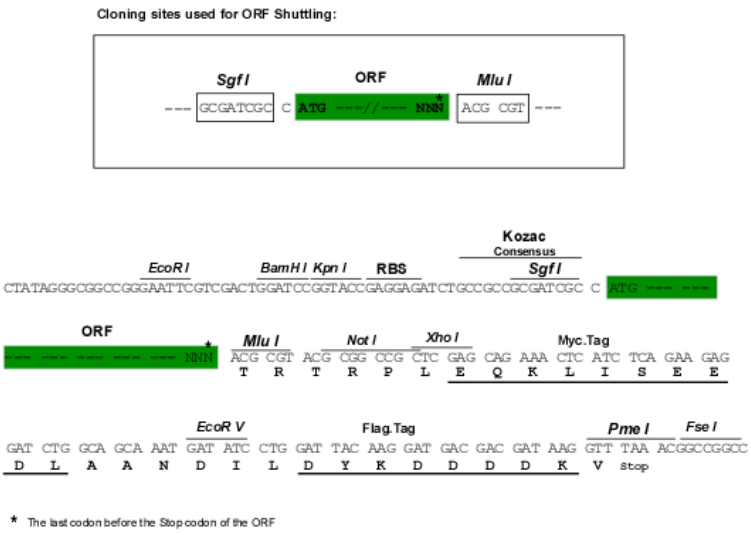
Cloning Scheme:



ACCN: NM_001102657

ORF Size: 2808 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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).

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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_001102657.1, NP_001096127.1

RefSeq Size: 4138 bp

RefSeq ORF: 2811 bp

Locus ID: 162962

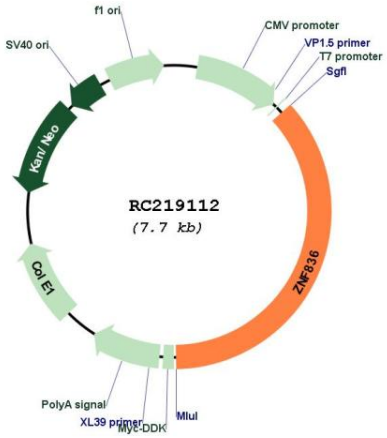
UniProt ID: Q6ZNA1

Cytogenetics: 19q13.41

MW: 107.7 kDa

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC219112

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