

Product datasheet for **MR222961**

VeZF1 (NM_016686) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VeZF1 (NM_016686) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VeZF1
Synonyms:	A1848691; AW046909; db1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR222961 representing NM_016686
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGCCAACTGGACCGCTTCTGTCCAGGCCACGAAGCATCCCATCACCAACAGCAGGCAGCGC
 AGAACAGCTTGCTGCCCTCCTGAGTTCTGCTGTGGAGCCCCCTGATCAGAAACCGTTGCTTCCAATACC
 AATTACTCAGAAACCTCAGGCTGCACCAGAAACATTAAGGATGCCATTGGGATTAAGAAAGAAAAACCC
 AAAACTTCGTTTGTGCACTTACTGCAGTAAAGCATTAGGGACAGCTATCACCTGAGGCGCCATCAGT
 CCTGCCACACAGGGATCAAGTTGGTGTCTCGGGCAAAGAAAACCCACCACGGTGGTCCCTTATCTC
 CACCATTGCTGGGGACAGCAGCCGAACCTCGTTGGTTTCAACTATTGCAGGCATCTTGTCAACAGTCACT
 ACATCTTCTCGGGCACCAACCCAGCAGCAGCGCTAGTACCACATCAATGCCTGTGCCCCAGTCTGTCA
 AGAAACCCAGTAAGCCTGTCAAGAAGAACCACGCCTGTGAGATGTGTGGGAAGGCCTTCCGGGATGTGTA
 CCACCTCAATCGGCACAAGCTCTCCATTTCGGACGAAAAGCCCTTGTAGTGTCTATTTGTAATCAGCGC
 TTCAAGAGGAAGGACCGGATGACTTACCATGTGAGGTCTCATGAAGGAGGCATCACCAAACCTTACTT
 GCAGTGTTTGTGGAAAGGCTTCTCAAGGCCTGACCACCTAAGCTGTGATGTAACATGTGCATCAAC
 AGAAAGACCCCTTCAAATGCCAACGTGCACTGTGCCTTTGCCACCAAAGACAGACTACGGACACACATG
 GTGCGCCACGAAGGCAAGGTATCATGTAACATCTGTGGGAAGCTCTTGTGAGTGCAGCATATATCACCAGCC
 ACTTAAAGACACATGGGCAGAGCCAAAGTATCAACTGTAACACGTGCAACAAGGCATCAGCAAAACGTG
 CATGAGTGAGGAGACCAGCAATCAGAAGCAGCAGCAGCAGCAGCAACAGCAGCAGCAGCAACAACAA
 CAACATGTGACAAGCTGGCCAGGGAAGCAGGTAGAGACACTGAGACTGTGGGAAGAAGCTGTCAAAGCAA
 GAAAGAAAAGAAGCTGCCAACCTGTGCCAACCTCCACGGCTGCTACGACACCAAGTACTCACTACTCC
 ATTCAATATAACGTCCTCTGTGTCTGTGGACTATGTCAAACCCAGTCACAGTGGCAGCTGCAATGAGC
 ATGAGAAGTCCAGTAAATGTCTCAAGTGCAGTTAATATAACCAGCCCAATGAACATAGGGCATCCCGTAA
 CCATAACCAGCCCTTAGCCATGACCTCACCTTAACTCACCACCCAGTCAACCTCCCACCCCTGT
 GACCGCCCGAGTGAATATAGCACCCCTGTACCATCACATCTCCAATGAACCTGCCCACTCCTATGACA
 TTAGCTGCCCTCTCAATATAGCAATGAGGCTGTAGAAAGTATGCCTTCTTGCCTCAAGCTTTGCCTA
 CGTCACCGCCTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222961 representing NM_016686
 Red=Cloning site Green=Tags(s)

MEANWTAFLFQAHEASHHQQAQNSLLPLLSSAVEPPDQKPLLPITIPITQKQAAPETLKDAIGIKKEKP
 KTSFVCTYCSKAFRDSYHLRRHQCHTGIKLVSRAKKPTTVVPLISTIAGDSSRTSLVSTIAGILSTVT
 TSSSGTNPSSASTTSMVPVQSVKPKSPVKNHACEMCGKAFRDVYHLNRHKLSHSDEKPFECPICNQR
 FKRKDRMTYHRSHEGGITKPYTCSVCGKGF SRPDHLSCHVKVHSTERPFKQCTCTAAAFATKDLRTHM
 VRHEGKVCNIGKLLSAAYITSHLKHGQSQSIINCNTCKQGISKTCMSEETSNQKQQQQQQQQQQQQ
 QHVTSWPGKQVETLRLWEEAVKARKKEAANLCQTSTAATPVTL TTPFNITSSVSGTMSNPVTVAAMS
 MRSPVNVSSAVNITSPMNIGHVPTITSPLAMTSPLTLTPVNLPTVTPVNIAPVNIHPVTITSPMNLPTPMT
 LAAPLNIAMRPVESMPFLPQALPTSPPW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1840_a01.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_016686

ORF Size: 1554 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.

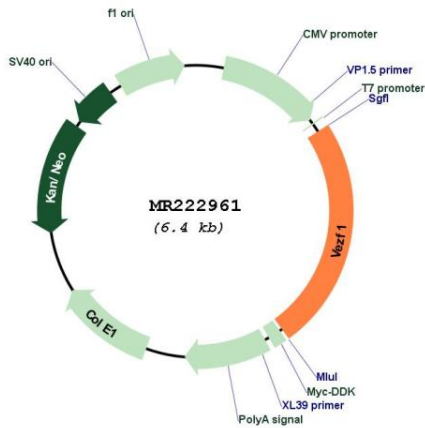
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_016686.4](#), [NP_057895.2](#)

RefSeq Size: 4521 bp
 RefSeq ORF: 1557 bp
 Locus ID: 22344
 Cytogenetics: 11 C
 MW: 57 kDa

Product images:



Circular map for MR222961