

Product datasheet for **SC125301**

ZNF161 (VEZF1) (NM_007146) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF161 (VEZF1) (NM_007146) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF161
Synonyms:	DB1; ZNF161
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_007146, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGCCAACTGGACCGCTTCTGTCCAGGCCCATGAAGCTTCCCATCACCAACAGCAGGCAGCAC
AGAACAGCTTGCTGCCCCCTCTGAGCTCTGCCGTGGAGCCCCCTGATCAGAAACCATTGCTTCCAATACC
AATAACTCAGAAACCTCAGGGTGCACCAGAAACATTAAGGATGCCATTGGGATTAAGAAAGAAAAACCC
AAAACCTCATTGTGTGCACTTACTGCAGTAAAGCTTTCAGGGACAGCTATCACCTGAGGCGCCACGAAT
CCTGCCACACAGGGATCAAGTTGGTGTCCCGGCCAAAGAAAAACCCACCACGGTGGTCCCTTATCTC
TACCATCGCTGGGGACAGCAGCCGAACCTCGTTGGTCTCGACCATTGCAGGCATCTTGTCAACAGTCACT
ACATCTTCTCGGGCACCAACCCAGTAGCAGTGCCAGCACACAGCTATGCCAGTGACCCAGTCTGTCA
AGAAACCCAGTAAGCCTGTCAAGAAGAACCATGCTTGTGAGATGTGTGGGAAGGCCTTCCGAGATGTGA
CCATCTCAATCGACACAAGCTCTCCATTAGATGAGAAACCTTTGAGTGTCTATTTGTAATCAGCGC
TTCAAGAGGAAGGACCGGATGACTTACCATGTGAGGTCTCATGAAGGAGGCATCACCAAACCTATACTT
GCAGTGTTTGTGGAAAGGCTTCTCAAGGCCTGACCACTTAAGCTGTATGAAAACATGCCATTAAC
AGAAAGACCCCTTCAAATGCCAAACGTGCACTGTGCCTTTGCCACCAAAGACAGACTGCGGACACACATG
GTGCGCCATGAAGGCAAGGTATCATGTAACATCTGTGGGAAGCTCCTGAGTGCAGCATACATCACAGCC
ACTTAAAGACTCATGGGCAGAGCCAAAGTATCAACTGTAATACATGTAACAAGGCATCAGTAAACATG
CATGAGTGAAGAGACCAGTAACCAAAAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAACAA
CAACAACAACAACATGTGACAAGCTGGCCAGGGGAAGCAAGTAGAAACACTGAGACTGTGGGAAGAAGCTG
TTAAAGCAAGGAAGAAAGAAGCTGCTAACCTGTGCCAAACCTCCACGGCTGCTACGACACCTGTGACTCT
CACTACTCCATTAGATAAACATCTCTGTGTCGTCTGGGACTATGTCAAACCCAGTACAGTGGCAGCT
GCAATGAGCATGAGAAGTCCAGTAAATGTTTCAAGTGCAGTTAACATAACCAGCCCAATGAACATAGGGC
ATCCTGTAACATAAACCAGTCCATTATCCATGACCTCTCCTTTAACACTACTACCCCAAGTCAACCTCCC
CACCCCGTCACTGCCCAAGTGAATATAGCACACCCTGTACCATCACATCTCCAATGAATCTACCCACA
CCTATGACATTAGCCGCCCTCTCAATATAGCAATGAGACCTGTAGAGAGCATGCCTTTCTGCCCAAG
CTTTGCCTACATCACCGCCTTGGTAA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_007146 unedited

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GAATTCGGCACGAGGGCCGCGCCGCGCTTTGTTGTGCGCTCCTCCGGCTGAGGAG
GCTCCCCGAGCGGGGAGTGGGGAGGAGGGGGTTCGGCCGCGCAGCCATGGAGGCCAA
CTGGACCGCGTTCCTGTTCCAGGCCCATGAAGCTTCCCATCACCAACAGCAGGCAGCACA
GAACAGCTTGCTGCCCCCTCTGAGCTCTGCCGTGGAGCCCCCTGATCAGAAACCATTGCT
TCCAATACCAATAACTCAGAAACCTCAGGGTGCACCAGAAACATTAAGGATGCCATTGG
GATTAAGAAAGAAAAACCCAAAACCTTCAATTTGTGTGCACTTACTGCAGTAAAGCTTTCAG
GGACAGCTATCACCTGAGGCGCCACGAATCCTGCCACACAGGGATCAAGTTGGTGGCCCG
GCCAAAGAAAACCCCAACCGGTNGTTCCCTTATCTTACCATCGCTGGGGACAGCA
GCCGAACCTTGTGGTCTCGACCATTGCAGGCATCTTGTCAACAGTCACTACATCTTCT
CGGGCACCAACCCAGTAGCAGTGCCAGCACACAGCTATGCCAGTGACCCAGTCTGTCA
AGAAACCCAGTTAAGCCTTGCAAGAAGAACCACGCTGTGAGAAGCGTGGCAAGGCCCTT
CCGAAATGTGTCCATCTCAATCCACACAAGCTTCCATTCCCATGAGAAACCCCTGA
GGGGGCTATTTGTAGCTACCGCTTAAGAGGGAAGACCCGACGACTAACACGGCGAGGGT
CTG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_007146 unedited ATTACCGGCCGCATCTATATCGAGTTTTTTTTTTTTTTTTTTTTCTCTACATTTTGT TTGAGACAACTAATTAAGGACAAACATAGGGCATGTTTACATGGACATTATAACAA ACATATACATTAAGGTAGGAATGTGTTGCCTTCTGCTAAACAGAAAGTTCCTAAGC TTTTATATACAAAAGTGTACAATTAATGCCTAAAGTACAAAAGATCATTATAAAA ATTATTTTACACTAAGCACTATTTATTTTATTTTTTTACTATGTAGGTCAACCCCTAAA ACTGTTTTGTATAATGACACACAGATACCTGTCCCTGATGTAGGAAGTCTGTCTCAGATG CAAGGTATTTTGATGCTTGAAGTACACAGTAGGGTATAAATGGAAATCATCCAGTTTGA TAGTCAGTCTGCAACATTCTGCAAGATTAACACAACCTAATTTCCATTTCTCTAACTG CAATGATTAATAAATGAAAAAACCAAAAACATATTGCAACTTATAAATCACAGCATCT TGGTTTAGTTAATTTTTTTTTTAAACGCAATGCTCTAAAAACAATGCGTGGCATGATGGT TAAAGAGTATCTGTCTCCCTAGCTCTGGTTTCTACTTTATGTACAGAGATAAAAAATAT CTTGCTAAGAATAAAAAGCCATGTCTCAACGTGCATAATCATTGCTGAGTTCTACAGG GAATGCAGACAGCTGTCTCCCTGAAACCCCAAGCTGATACAGTTGTTTCCCAAAGAA AAAAAGGGATGGCCATTTTACAAGTGAACAAATCTGGCGCTTTTTTATAAACCGAAGG ACAATTTCAATAAAGATCCCTTTGGAGTTTGAAGGGCCTCCCTATCCATTGAGGGCGAA AAAAAACGGTACCATTAATAAACAAAACCTCTAGGGGACAAACCTTGCCTCGTGAATA ACAGTTTGTGGGAAAAAGGGCTTCAATCCGAGCCCCAGGTTCAATT
Restriction Sites:	NotI-NotI
ACCN:	NM_007146
Insert Size:	3870 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<ol style="list-style-type: none">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_007146.2 , NP_009077.2

RefSeq Size: 4652 bp

RefSeq ORF: 1566 bp

Locus ID: 7716

UniProt ID: [Q14119](#)

Cytogenetics: 17q22

Domains: zf-C2H2

Protein Families: Transcription Factors

Gene Summary: Transcriptional regulatory proteins containing tandemly repeated zinc finger domains are thought to be involved in both normal and abnormal cellular proliferation and differentiation. ZNF161 is a C2H2-type zinc finger protein (Koyano-Nakagawa et al., 1994 [PubMed 8035792]). See MIM 603971 for general information on zinc finger proteins.[supplied by OMIM, Sep 2008]