

Product datasheet for **SC127567**

ZNF701 (NM_018260) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF701 (NM_018260) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF701
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC127567 sequence for NM_018260 edited (data generated by NextGen Sequencing)

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ATGGCTCTTCCTCAGGGTCTACTGACATTCAGGGATGTGGCCATAGAATTCTCTCAGGAG
GAGTGGAATGCCTGGACCCTGCTCAGAGGACTCTATACAGAGACGTGATGCTGGAGAAT
TATAGGAACCTGGTCTCCCTGGATACCTCTTCCAAATGCATGATGAAGATGTTCTCATCA
ACAGGACAAGGCAATACAGAAGTGGTCCACACAGGGACATTGCAAATACATGCAAGTCAT
CACATTGGAGATACTTGCTTCCAGGAAATTGAGAAAGATATTCATGACTTTGTGTTTCAG
TGGCAAGAAAATGAAACAAATGGCCATGAAGCACTCATGACAAAAATCAAAAAGTTGATG
AGTAGTACAGAGCGACATGATCAAGGCATGCTGGAAACAAACCTATTAAAAATGAGCTT
GGATCAAGCTTTTCATTCGCATCTGCCTGAAGTGCACATATTTACCCCGAAGGAAAAATT
GGTAATCAAGTTGAGAAGGCCATCAACGATGCTTTCTCAGTTTCAGCATCCCAACGAATT
TCCTGTAGGCCAAAACTCGTATTTCTAATAAGTATAGGAATAATTTCTCCAGTCTTCA
TTACTCACAAAAACGGGAAGTACACACAAGAGAAAAATCTTTCAACGTAATGAGAGT
GGCAAAGCCTTTAATGGTAGCTCACTCTTAAAAAACATCAGATAATCCATTTAGGAGAC
AAACAGTATAAATGTGATGTATGCGGCAAGGACTTTCATCAGAAGCGATACCTTGCATGC
CATAGATGTCACACTGGTGAGAATCCTTACAAGTGAATGAGTGTGGCAAGACATTCACT
CACAATTCAGCCCTGTTAGTTTCAAGGCAATTCATACTGGAGAGAAACCTTACAAGTGT
AATGAATGTGGCAAGGTTTTTAATCAACAATCAAACCTTGACGTCATCATAGAGTTTCA
ACTGGAGAGAAACCTTACAAATGTGAAGAATGTGACAAAGTTTTTCAGTCGAAATCACAC
CTTGAAAGACATAGGAGAATTCACACTGGAGAGAAACCATACAAATGTAAGGTTTGTGAC
AAGGCTTTCAGACGTGATTACACCTGGCACAACATACTGTAATTCACACTGGAGAGAAA
CCTTACAAGTGTAAATGAGTGTGGCAAGACCTTTGTTCAAAATTCATCTCTTGAATGCAT
AAGGTCATTTCATACTGGAGAGAAACGTTACAAGTGAATGAATGTGGCAAGGTTTTTAAT
CACAAATCAAACCTTGATGTCATCATAGACTTCATACTGGAGAGAAACCTTACAAGTGT
AATGAATGTGGCAAGGTTTTTAATCGAAATCAAACCTTGAACGTCATCATAGACTTCAT
ACTGGAAGAAATCTTAG
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Clone variation with respect to NM_018260.2
 11 t=>c;347 c=>t;501 t=>c;812 c=>a;1286 g=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018260 unedited

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ATTTGTAATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGGCGGATCCCGTGG
AGTGAAGGTGCGACCGCGGCGGATTGACTTCTAAAGACTTGGTACGTGAGGAAAAACAC
GGAAGAGGAAGAGGAAAGCAAAGGAGTCAGGGATGGCTCTTCCTCAGGGTCTACTGACAT
TCAGGGATGTGGCCATAGAATTCTCTCAGGAGGAGTGGAATGCCTGGACCCTGCTCAGA
GGACTCTATACAGAGACGTGATGCTGGAGAATTATAGGAACCTGGTCTCCCTGGATACCT
CTTCCAAATGCATGATGAAGATGTTCTCATCAACAGGACAAGGCAATACAGAAGTGGTCC
ACACAGGGACATTGCAAATACATGCAAGTCATCACATTGGAGATACTTGCTTCCAGGAAA
TTGAGAAAGATATTCATGACTTTGTGTTTCAGTGGCAAGAAAATGAAACAAATGGCCATG
AAGCACTCATGACAAAAATCAAAAAGTTGATGAGTAGTACAGAGCGACATGATCAAGGC
ATGCTGGAAACAAACCTATTAAAAATGAGCTTGGATCAAGCTTTTCATTCGCATCTGCCTG
AAGTGCACATATTTACCCCGAAGGAAAAATTGGTAATCAAGTTGAGAAGGCCATCAACG
ATGCTNTCTCAGTTTCAGCATCCCAACGAATTTCTGTANGCCAAAAACTCGTATTTCTA
ATAAGTATAGGAATAAATTCCTCCAGTCTTCATTACTCACAAAAACGGGAAGTACACA
CAGAGAAAAATCTTTCCACGTAATGAGAGTGCAAAGCCTTTATGGTAGCTCACTCTTAA
NAACAATCAGATATCCATTTTAGAGACCAACAGTATAATGTGATGGATGCGGCCAGGAAC
TTCATCAGAAC
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_018260 unedited GCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGATGGTTTGGAAAAATCAATATTGTT ATTATATAAGCCAATGTGATTCAAGTCAACACAATACCTATAAAACCCCTATTGGTTT TTGTTAAAGAAACAAAAAGCAGGCTGGGAAAAGTCACTCACGTCTGTTGGCCAGGCTGAT CTCAAACCTCATGACCTCAAGTGATCTATCCACCTGGGCTCCTAAAGTGCTGGGTTTACA GGCGTGAGCCACACGCTGGCCCAATCCTCTTAACATAAACACTTTAATGTCAATTAATG CTTCAACTGAATGTTTTAAGTCAACTCAAACTCAAGTCAATTCTGAATTGACTCTACTGT CAATCCTTGATGGTTTGCTGTGCTCACCGCATTGTAACTATTACCTCAAAAATGAACGT TATGATATTCTGCAAGGAGTAACCTCGGACTGAAGACCTTGCCACACATAGGACGTTTGT AAGATTCTGTCCAGTATGGATCCTCTGATATCTAATGTGGTGTGAACGTGAAGTAAAGG CTTTGCTCACAATCATCACACTTGTGAGGTTTCTCTCTGTATGAATTCTCCGTTTTGC AAAGATGAAGCTTGACTGAAGACCTTGCCACAATCATCATTTTGAAGATTTCTCTCT GTATAAGATCGCCCAATGAAGTGCAGTTATGAATGATGTCTGAAAACTTGCCACATTTA TTACACTNNGTAGACCTCCTTCATTATGGATNCTNCAATGTTTTTGCATGGCTGTAATAT TACTGAAGGACTTGTGACAATCATTACATTATTCAAAGTCCCTATACCAGGNATTGCTT GAGGTGAGTAAGTGTGACTGACAACAAAAGCTTTGCCACCTAATTACACTGTACAGTTCC TTTTAGGGGGATTCCAGTTTGTGGCCAGGTGGTGTATACCCCCGAATCCTGTCAACAAC CTCACTTNGGATGGTCTCTCCAGATGACCTCCTAGATTTAAGG
Restriction Sites:	NotI-NotI
ACCN:	NM_018260
Insert Size:	2680 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_018260.1</u> , <u>NP_060730.1</u>
RefSeq Size:	2864 bp
RefSeq ORF:	1398 bp
Locus ID:	55762
UniProt ID:	<u>Q9NV72</u>
Cytogenetics:	19q13.41
Domains:	KRAB, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) represents use of an alternate promoter and 5' UTR, lacks an alternate exon, and uses a downstream start codon, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.