

Product datasheet for **SC100252**

ZNF342 (ZNF296) (NM_145288) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF342 (ZNF296) (NM_145288) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF342
Synonyms:	ZFP296; ZNF342
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_145288 edited
 GAATTCGGCACGAGGCGCGCACGGTCCGCGCTCCTCCGCTCGTGCCTCCGCCCCGCG
 CGCTGCCTGCCTGCCCGCCCGCTCGCTCGCCCGGCCGCGACTCATGTCCCGCCGAAG
 GCCGGCAGCGCGCCCGCCGAGTAGAGCCCGCGCCCGCCGAACCCAGACGACGAGATG
 GAAATGCAGGACCTCGTCATCGAACTCAAGCCCGAGCCAGACGCGCAGCCCCAACAGGCC
 CCAAGGCTGGGGCCCTTCTCCCGAAGGAGGTGTCTCGGCGGGCGGTTCCGGCGCGAA
 CCCCACTCCCTGGCCCCATGCCCGCGGGCGCCCTCTCGCCCTCGGCCCGCG
 AACCCGTGGACCTGTGGACGCGCTTGACCCGAACTATCCCGACCGCCAGCCCTGGACC
 GACAAACACCCAGATCTGTTGACCTGCGGCCGCTGCCTGCAGACCTTCCGTTGGAGGCC
 ATCACTGCCTTCATGGACCACAAGAAGCTGGGCTGTGAGCTTTCAGAGGCCCGAGCCG
 GGCCAGGGCTCAGAACGAGAGGAGCTGAAGGCTTGAGCTGCCTGCGCTGTGGAAACAG
 TTCACAGTGGCTGGAAGCTGCTGCGTCACGCCAGTGGGACCACGACTGTCCATCTAC
 CAGACAGAATCAGAGGCCCGGAGGCCCGCTCCTGGGCTGGCCGAGGTGGTGCAGCC
 GTGTGCGCAGTGGTGGGGCCAGCAGCTGAGGCCAAGAGCCCCGTGCAAGTGGCAGCGGC
 CTCACCCGGCGGAGCCCCACCTGTCTGTGCAAGAAGACCCTCAGCTCCTTCAGCAAC
 CTCAAAGTGCACATGCGCTCACACACAGCGAGCGGCCCTATGCTTGCGACCAAGTCCCC
 TACGCTGCGCCAGAGCAGCAAGCTCAACCGCCACAAGAAGACCCACCGGCAAGTGCCG
 CCCAGAGCCCCCTCATGGCCGACACAGCCAGGAGCAGGCTCTGCAGCCCCCTCCGGAG
 CCGGCTGTCCATGCTGCTGCCCCACCAGCACCTTCCATGCAGCGGTGGTGAAGGGGCT
 GGAGCCGCGCCACAGCAGGTGTCCAGGAACCCGGGGCTCCTGGCAGTGGGGCTCAAGCC
 GGCCCTGGTGGAGACCTTGGGGAGCCATCACACGGAACAAAGAACTGACCTGCAAC
 AGCCAGAAGGCATCACCAAAAAGATGCCAAGTCAGGGGGAAGAGCCGCGGGCCCGG
 GGCAGCTGTGAGTTCTGCGGGAAGCATTTTACCAACAGCAGCAACCTGACGGTGCACCG
 CGCTCACACACCGGGAGCGCCCTACACCTGTGAGTTCTGCAACTACGCTGCGGCCAG
 AGCAGTAAGCTCAACCGCCACCGCCGATGCACGCGATGACGCTGGCAGCACCCGCTTC
 GAGTGCCCCCACTGCCATGTGCCCTTCGGCTGCGAGCCACCCTGGACAAACACCTGCGG
 CAGAAGCACCTGAGGCGCGCGGAGGCTGAGCCAGGAAAGCCCCCTCACTGTCCC
 TGGTACCCTGCCAACCCATTGACCTCCTGTTTTTGGCCGCTTCTCCAAGTAAATT
 TTCCCTTTTATTTAAAAAATAAAAAAATACTCGAC

5' Read Nucleotide Sequence: >OriGene 5' read for NM_145288 unedited
 GGGGGTACTATTAGGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCGCGC
 ACGGTCCGCGCTCCTCCGCTCGTGCCTCCTCCCGCCCGCCGCTGCCTGCCTGCCCGC
 CGCTCGCTCGCCCGGCCCGGACTCATGTCCCGCCGAAGGCCGCGAGCGCGCCCGCCG
 AGTAGAGCCCGCCCGCCGCAACCCAGACGACGAGATGGAAATGCAGGACCTCGTCAT
 CGAACTCAAGCCGAGCCAGACGCGCAGCCCCAACAGGCCCAAGGCTGGGGCCCTTCTC
 CCCGAAGGAGGTGCTCCTCGGCGGGCGGTTCCGGCGCGAACCACCACTCCCCTGGCCC
 CATGCCCGCCGGGCGCCCTCCTCGCCCTCGGCCCGCGGAACCCGTGGACCTGTGGAC
 GCGTTGACCCCGAACTATCCCGACCGCCAGCCCTGGACCGACAAACACCCAGATCTGTT
 GACCTGCGGCCGCTGCCTGCAGACCTTCCGTTGGAGGCCATCACTGCCTTCATGGACCA
 CAAGAAGCTGGGCTGTGAGCTTTCAGAGGCCCGAGCCGCGGCCAGGGCTCAGAACGAGA
 GGAGCTGAAGGCCTTGAGCTGCCTGCGCTGTGGAAACAGTCCACAGTGGCTGGAAGC
 TGCTGCGTCACGCCAGTGGGACCACGACTGGTATCTACCAGACAGGATCAGAGGCC
 CCGGAGCCCCGCTCCTGGGCTGGCCGAGTGGCTCGACCCGTGTCCGCGTGGTGGG
 GCCCGCAGCTGTAGCCAAGAGCCCCGTGAGTGGCAGCGGCTCACCCGGTGAGCCCA
 CCCGTCCTGTGTGAAAAAGACCCTCAACTTCTTCATCAACACCAAGTGCACATGCG
 CTTACACACAAGCGAGCCGCC

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_145288 unedited <pre> NCGTCATCATNACCGCGCCGATTCTANNGATCGGTTTTTTTTTTTTTTTAAATAAA AGGGAAAATTTACTTGTGANAAGCGGGCAAAAACGAGGAGGTCAATGGGTGTTGGCAGC GGTACCAGGGACAGTGAGGGGGGCTTCTGGGCTCAGGCCTCGCCGGCCGCTCAGGGT GCTTCTGCCGACAGTGTTGTCCAGGGTGGCTCGCAGGCCGAAGGGCACATGGCAGTGGG GGCACTCGAAGCGGGTGCTGCCAGGCGTCATGCCGTGCATCGGGCGGTGGCGTTGAGCT TACTGCTCTGGGCGCAGGCGTAGTTGCAGAACTCACAGGTGTAGGGGCGCTCCCCGGTGT GTGAGCGCGGTGCACCGTCAGGTTGCTGCTGTTGGTAAAATGCTTCCCGCAGAACTCAC AGCTGCCCCCGGGCCGCGGCTCTTGCCCCCTGACTTGGGCATCTTTTGGGTGATGCCT TCTGGCTGTTTGCAGGGTCAGTTCTTTGTTCCGTGGTGATGGCTCCCAAGTGTCTCCAC CAGGGCCGGCTTGAGCCCCACTGCCAGGAGCCCCGGGTTCTGGACACCTGCTGTGGCGG CGGCTCCAGCCCCCTACCACCGCTGCATGGAAGGGTGTGGTGGGGGCAGCAGCATGGA CAGCCGGCTCCGAGGGGCTGCANAGGCCTGCTCTGGCTGGTGTGGCCATGAGGGGGC TCTGGGGCGGCACCTGCCGTGGGTCTTCTGTGGCAGTTGAGCTTGCTGCTCTGGGCGC AAGCGTAGGGACAAGTGTGCAAGCATAAGGCCGCTCGCCTGTGTGTGAGCGCATGTGCA CTTTTGAGTTGCTGAAAGAGCTGAAGGTCTTCTGCCACAGGACCAGTGGGGCTCCGCCG GG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_145288
Insert Size:	4700 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_145288.1, NP_660331.1</u>
RefSeq Size:	1604 bp
RefSeq ORF:	1428 bp
Locus ID:	162979
UniProt ID:	<u>Q8WUU4</u>
Cytogenetics:	19q13.32
Domains:	zf-C2H2
Protein Families:	Transcription Factors

Gene Summary: May be a transcriptional corepressor with KLF4.[UniProtKB/Swiss-Prot Function]