

Product datasheet for **SC337644**

ZNF281 (NM_001281293) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF281 (NM_001281293) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF281
Synonyms:	GZP1; ZBP-99; ZBP99; ZNP-99
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001281293, the custom clone sequence may differ by one or more nucleotides

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ATGAAATCGGCAGTGGGTTCTGAGTGGCGGCGGAGGTACCGGCAGTAGCGGTGGTAGCGGCTCCGGCG
GCGGTGGTAGTGGCGGCGGCGGCGGCGGCAGCAGCGGCAGGAGGGCAGAGATGGAACCCACCTTTCC
CCAGGGTATGGTTATGTTCAACCACCGTCTTCCCGGTCACCAGCTTCACCCGGCCGGCGGGTCCGGCC
GCCCTCCCCCGCAATGGGTGTTATCCTCTCTACCTCCGCAGCCCCGGCGCTGAGCCCCCCTCCGC
CAGCCCCGGACATGACTTTCAAGAAGGAGCCGGCGGCGTCAGCCGCGCCTTCCCCTCGCAGAGGACCTC
CTGGGGTTCTTGCAGTCTTTGGTTAGCATCAAACAGGAGAAACCCGCGGATCCTGAGGAGCAGCAGTCC
CACCACCACCATCACCACCACCTATGGGGGGCTGTTGCTGGAGCTGAAGAGAGGTCTCCAGGCCTAG
GAGGCGGTGAAGGGGGGAGTACGGCGTCATCCAGGACCTCAGTATTCTCCACCAGCATGTCAGCAGCA
ACCAGCCCAGCACCACCGTGACGTATTACTCAGCAGCAGTAGCAGGACTGATGACCACCATGGCACTGAG
GAGCCAAAGCAGGACACTAATGTCAAAAAGGCAAAAAGGCCAAAGCCAGAATCTCAGGGAATCAAAGCCA
AGAGGAAGCCAAGTGCATCTTCAAACCTTCTTTGGTTGGAGATGGAGAAGGTGCCATCCTCTCCCAAG
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CTCATTACACAGGAGAAAGACCTTCCAGTGCAGCCAGTGTAGTATGGGTTTCATTGAGAAATACCTAC
TACAGAGACATGAGAAAATTCATAGTAGAGAGAAGCCATTTGGATGTGATCAGTGCAGCATGAAGTTTAT
TCAGAAGTACCATATGGAGAGACACAAGAGGACACATAGTGGAGAAAAGCCATATAAGTGTGACACTTGC
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TTGGTCTTCTCAAAGTACAAGTGGCAAACAAGGTCAGATAAGTAGTAATTATGATGATGCCATGCAGTT
TTCAAAGAAAAGAAGATATTTACCAACTGCCAGCAGCAACAGTGCCTTTTCTATAAACGTAGGACACATG
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AACCACACTTTGTTTCCAGAAAAACAATAATACTACGTCCTCTTGGAGTGTGGTTTTCGGCCAATCTG
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TTATTTGTCTGCTTTGGATGCTACACATCAGCAGTTGACACCTTCCCAGGAGCTGGATGATCTGATAGAT
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TCGGGCAGCAGGGTGCCAAATGACCTTTACTACTAATGGAAGTGGACCATAGAGTAAGGACTT
CAGTGTGAGATTTCTCAGGGTATACAAATATGATGCTGATGTAAGTGAAGCCATGTAGTACAAGAGTAAA
GACACCCACCAGCCAGGTTACAGGTAA
    
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Restriction Sites: SgfI-MluI
ACCN: NM_001281293

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:	<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_001281293.1 , NP_001268222.1
RefSeq Size:	4908 bp
RefSeq ORF:	2688 bp
Locus ID:	23528
UniProt ID:	Q9Y2X9
Cytogenetics:	1q32.1
Protein Families:	ES Cell Differentiation/IPS, Stem cell - Pluripotency, Transcription Factors
Gene Summary:	<p>Transcription repressor that plays a role in regulation of embryonic stem cells (ESCs) differentiation. Required for ESCs differentiation and acts by mediating autorepression of NANOG in ESCs: binds to the NANOG promoter and promotes association of NANOG protein to its own promoter and recruits the NuRD complex, which deacetylates histones. Not required for establishment and maintenance of ESCs (By similarity). Represses the transcription of a number of genes including GAST, ODC1 and VIM. Binds to the G-rich box in the enhancer region of these genes.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>