

Product datasheet for **MC205914**

Zfp281 (BC062153) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp281 (BC062153) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zfp281
Synonyms:	MGC7737, MGC70044
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC062153
 GCGGCTGCGCAGAAGCGGGGAGGCTTTTAAATCCATTGTGGAGAGGACGGCGTTATTTTTATTAAGTGA
 GGCGACGGCGGCTGCGGCGGGCGGAACCCAGGCCTCCTCCGGGATGAAAATCGGCAGCGGGTTC
 CTTAGCGGCGGCGGGTCCCAGCAGTAGCGGTGGTAGCGGCTCCGGCGGCAGCTCCGGCAGCGCCAGCG
 GCGGCAGCGGCGGCGGCAGGAGAGCAGAGATGGAGCCACCTTCCCCAGAGTATGGTTATGTTCAACCA
 CCGGCTTCCCCGGTACCAGCTTACC CGCGGGGGACGGCCGCCCTCCCCCGCAGTGCCTGTTA
 TCCTCCTTACCCTCCGACGCCCGGCGCTGAGCCCCCCTCGCCAGCCCCGGACATGACTTTCAAGA
 AGGAGCCGGCGGCTCAGCCGCGCCTTCCCTTGCAGAGGACCTCCTGGGGATTCTTGAGTCTTGGT
 GAGCATCAAGCAGGAGAAACCTGCGGATCCCGAGGAGCAGCCGTCACCACCACCATCACCACCACCAC
 TATGGGGGCTGTTGCTGTTGGGCTGAAGAGCGATCACCAGGCCTAGGAGGAGGGGAGGGGGAGCCACG
 GCGTCATCCAAGACCTCAGTCTTCTGCACCAGCATGCCAGCAGCAACCGGCCAGCACCACCGCATGT
 ATTAAGCAGCGGTAGCAGGACTGATGAGCACGGCAACCAGGAGCCAAAGCAGGACGTAACGTCAA
 AAGGCAAAGAGGCCAAAGCCAGAATCTCAGGGAATCAAAGCCAAGAGGAAGCCAAGTGCATCTTCAAAC
 CTTTGGTTGGAGAGGGAAGGTGCCGCTGTCCCAAGTCAGAAACCTCATATCTGTGATCACTGTAG
 TGCTGCTTTCAGGAGCTCCTACCACCTGCGGAGACATGTCTCATCCACACGGGCGAAAGGCCTTCCAG
 TGAGCCAGTGTAGTATGGGTTTCATCCAGAAATACCTACTGCAGAGACAGAGAAAATTACAGCAGAG
 AGAAACCTTTGGGTGCGATCAGTGCAGCATGAAGTTTATTCAGAAGTACCATATGGAGAGACACAGAG
 GACACATAGTGGAGAAAAGCCATACAAGTGTGACACTTGCCAACAGTATTTTTCAAGGACTGACAGATTG
 TTGAAGCACAGGCGCACGTGTGGTGAAGCCATAGCAAAAGGAGCCGCTAGTGCAGAACCTGGGTCATCAA
 ACCATAACAGTATGGGTAACTGGCTGTGTGTCTCAGGGAAATACAAGTTCTCAAGGAGAAAAGTCGAA
 GTCGAAAAGCATAGCTATTGAAAATAAGGAACAAGACTGGCAAAACAAATGAATCACAAATGTCAAAC
 AATATAAACATGCAGAGTATTTCAGTAGAAATGCCTACTGTGTCTACCAGTGGGAGCATAATTGGCAGT
 GAATAGATGAATGCAGAAAAGGTGCCAAAATGATCTTTAAGAAAGGAAGCAGAAAAGATGCAGATA
 AAGCTACCTTAATTTTGTGTACCGTTACCAGAGTAGTTGGGCAGAAATCCTTGTCTGGTAAGCCAGGT
 GGCTCACTTGGCATCGTATCGAATAATAGTGTGGAGACCATTAGTCTTCCAAAGTACAAGTGGCAAGC
 AAGGCCGATAAGTAGTAATTATGATGATGCCATGCAGTTTTCAAAGAAGAGAAGATACCTACCAACTGC
 CAGCAGCAACAGTGCCTTTTCTATCAATGTAGGACACATGGTCTCCAGCAGTCACTTCACTGTGCA
 GGGGTCAGTGTTTGGACAATGAGGCGCCATTGCACTTATTGACTCCTCAGCTCAAATGCTGAAATTA
 AGTCTTGCACGACAAGTCTGGAATTCCTGATGAGTTTTACAAAGTATTTTGGATCAGTACTCTGGCAA
 ATCAGAAAACAGAAAGGAGGATCCTTTCAATTTAACAGAACACAGTGGATTTACACACCTCAGGAGAA
 CACTCTGAATTGGTTCAAGAAGAAAATTTGAGCCAGGCACCCAAACACCTTCAAATGATAAAACAAGCA
 TGTTGCAAGAATACTCCAATACCTCCAACAGGCTTTCGAAAAATCCACTAATGCAGTTTTACTCTTGG
 ACACGGTTTTCAAATTTGTCAGCTTGTCTTACCTCCTCCACAACCACACTTGTTCAGAAAAACAGATA
 TACACTACATCTCCTTTGGAGTGTGGTTTTGGCCAGTCTGTTACCTCAGTGTGCGCATCTTCTGTTGCCAA
 AGCCTCCTTTGGGATGTTGTTGGATCTCAACCAGGTCTTTATTTATCTGCTTTGGATGCTACACATCA
 GCAGTTGACACCTTCCAGGAGCTGGATGATCTGATAGATTCTCAGAAGAACTTAGAGACATCATCAGCC
 TTCCAGTCTCATCTCAGAAATTGACTAGCCAGATTGATCCTCAGAAAGACATAGAGCCTAGAACAACGTA
 CCAGATTGAGAACTTTGCACAAGCATTCCGTTCTCAGTTTAAAGTCGGGCAGCAGGGTGCCAAATGACCTTT
 ATCACTAACTCTAATGGAGAAGTGGACCATAGAGTAAGGACTTCAAGTGTGAGATTCTCAGGGTATACAA
 ATATGATGCTGATGTAAGTGAAGCATGTAGTACAAGAGTAAAGACACCCACCAGCCAGATTACAGGTA
 AGGTCTCGAGAGTGACCAGGCTGGGAGTCTAATGTAATTTTGTATTTTGAAGAACTGCCATTGGAA
 TGTTTCTACACGATCCTATTAAGAATAATGTAATGCCCTTTCAATGCAACTTTTCATATTTAGTTTATTT
 TGTTAGTGTGATTTAGCTCTGTTGATTTATGATTTTTAATCAAATCAATAGATTAATAATAGTTTGA
 CATTCAAAGTGACAATGTTTAGCAATCAAATTTACATGTATAGATTGTCAGGGAATAGCCAAAAGTTTT
 AAATGCAAAAACAAAAAATAAAACAAAACAA AAAAA

Restriction Sites: RsrII-NotI
ACCN: BC062153
Insert Size: 2682 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:	<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:	BC062153 , AAH62153
RefSeq Size:	3155 bp
RefSeq ORF:	2682 bp
Locus ID:	226442
Cytogenetics:	1 E4
Gene Summary:	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. 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]