

Product datasheet for **MC203641**

Zic1 (NM_009573) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zic1 (NM_009573) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zic1
Synonyms:	ZIC; ZNF201
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```

>BC063247
CGCGCTCACCGCCCGGCTGAGGAGGTGAAAAGTTTCTCCCCAGGAAGATAAACCGCAAAGACAATATTGT
GCATGATTTGCGCCTTTTCTTTTCTTTTCTCCCCTCCTTTTTTTTTTTTTTTTCAAAGAGCAGAGAG
GGGGAAAAGGGAGAGTTGAAGGATCGAGGAGGAGAGCCTGAGAGAGAGAGAGAGAGAGAGAGAGAGA
GAGAGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGACTGAGACTA
GTGGAGAAGTGAAGAGGGGGCGCTGCGCGAGGAGACAGGGCGAGCAGTGGCGGCTCTGGCGTTACATT
CCTCTATGCCACAAATCCGGGAAGAAGTTTATTTGGGGGCTGAGATGTTCTATGCCTTTCCCCTGGCGAG
CCTTGATTCGAGGCCCTCTCGGCAGAGACTGAGCGGCGAGAAAGTGAAGGCCCGGCCCAGCGGTTTCGAG
CGGCTGCGCTGGAGCCCGCCTTCTACCGCCGCGCAGTCACTCTCTTGCCTGCCTTTGGCCGGCGGGT
GCCGGCTAGCGCCTGGCGTTGCCTGCTGGCTGAGACTTCTGTTAGGTGGTGCAGTCCCCCTCCTCCTC
CTTTCTCCTCTCTTCTCGCCTCCCGTCTCCTCCTCTGATCTTCCCTCCTTGGCGGGCGAGGG
TGGGGGGGGGGGGAGGCCGGGGCTGCCCGTGCAGCACAGTGTCTTGCAGCGGCCAGCCCCAGTA
TCCCGGATTGGTGTGACCACTTTGGTGCATCCCGCCACTCGGGCGGACGTGGCCGAGAGAGAG
GTGGGCTGGGTATCAACCGGTTGCGCCAGGCATGGGGCGCTTCAAGCTCAACCCAGTTGCAGGAAC
TGGCCTCGGCTGGCCAGACAGCCTTACGTCGCAGGCTCCGGGCTACGCCCTGTGCGGCCCTGGCCCA
CCATACCAACCCCGGCCAGTGGTCTCTACTCCAGCGTGCTTCAATTCTACCGGGACTTTCTGTTC
CGCAACCGGGGCTTCGGCGACGCGGGCGGCAGCTAGCGCCAGCACAGTCTTTCGCTGCTTCGCCCG
GCGGCTTTGGGGCCACACGGCCATACGAGCGCCGGGACCTCTTTTTTTCTGGGTTACAGGCA
GGCGGCTGGCCACGCTTCGCCAACGTTAACGGGCGAGATGCGGCTAGGTTTCTCCGGGACATGTAC
CCACGGCCGAACAGTACGGCCAGTGAACAGCCCGCATCCGAGCACTATGCTGCCCGGACGTTACAG
GCTATGGGCCATGAACGTGAACATGGCTGCACATCACGGGCTGGAGCCTTCTCCGCTATATGCCCA
ACCCATAAGCAAGAGCTTATCTGTAAGTGGATCGAGCCGAGCAGCTGGCCAACCCCAAAAGCGTG
AACAAAACCTTTCAGCACCATGCACGAGTGGTACGCACGTGACGGTGGAGCACGTGGCCGCGCCAGAG
AGAGCAACCATCTGTTCTGGGAGGAGTGTCCACGCGAGGCAAGCCCTTCAAAGCCAAATACAACT
GGTCAACCACATCCGAGTGACACAGGCCAAAAGCCTTTTCCCTGCCCGTTCTTGGCTGCGGCAAGGTT
TTCGCGCTTCAGAGAACCTCAAGATCCACAAAAGACACACAGGGGAGAAGCCCTTCAAGTGCAGT
TCGAGGGCTGCGACCGCGCTTCGCCAACAGCAGCAGCCGAAGAAGCACATGCAGTGCACACAGGCA
CAAGCCCTACCTTGAAGATGTGCATAAGTCTACAGCAGCCAGCCTCTGCGTAACACATGAAG
GTCCATGAGTCTTCTCAGGGCTCACAGCCTTCGCCCGCCAGCTCGGGTATGAGTGCACCAGC
CACCCACCATGTGTCTCCACAACAGACAACCCGACCACAGTCCATGTGCCCTCCTCTCCGCGG
TACCCACAGCCGGCCACAGCGGCTCTTCCAATTTAACGAATGGTACGTTTAAAAATCAGAAACAA
AACATGCCGACCCCTATTTAAGAGACTGAACACACAGTATATACGCCGATATTATTGAAGAATCCTGA
AACTCGAGACACCCCTCGTCCCGATCCCGCAAAGCTTTTTATTTTTATTTTTGTTGTTGTTGTTGT
TTGATTTGTTTTAAATCTGCCGTAATCCAGGACTGAGTAAACAGAGGAGGCAAGCCTTAGG
TTTTTCTACTCAAATTTTTCTTCCCAACCTCTGAAAAGGTTTGGTAGTGGAAGGGCGGAAGGG
GGTGAAGAGAAGGGGCTGCCTGACCGAACCCGCAAAGGCCCGGCAAGTTCTTGTGGATCAG
ACAAGCTCTCTGGGCTTCACTTTTCTTTATCTTTTGTGTTTTTCTGTAAATACAGAATTATTA
GCTTAAATCTGTTCTGTTGGATTCTGTATATAGCTACACTTCGGTTGAGTGGTGGTGGGTGGATGCTGG
GTGGTGGTCTTTGCTTTGGGAGGGAGGGCCAGAGGGAGGGGGAGGGGGAGGGGGCGGCCGAAAG
CCAAGTGTGTAAGTAAAGGCAAGAAATGTTCTAGTAAATGTTACCAAATGTGAACTACTTGTACGA
TTACAGTCTCCAGTCCAGCTAACAGAATATTATTGATTAATGTGCTTTTTTTTGTATAAAGTGCAAA
CATTTCTGCCCAGTCTGAGTACTTTAGTGCAGTAAATGTTGTTTTCATGTCCTGTCAAGAATTCGTAT
AGTACGAGCTGGATCTACGTGTCAAAGTGTCCATTTGTTTATGTAAGTGATATAAAGAGATAAAA
CTATAGCTGTCCATTGCTTTGGCAAAAATACAACCACACAATGTATATAATTCCTAGTTTCCATATT
ATCCGATGTAAGGGTCTGGTTTATTCATGTTACAGCTATTCAATTTATGGCTAGTAAAAA*****
    
```

Restriction Sites:

Ascl-NotI

ACCN:

NM_009573

Insert Size:

1344 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:	BC063247 , AAH63247
RefSeq Size:	3087 bp
RefSeq ORF:	1344 bp
Locus ID:	22771
UniProt ID:	P46684
Cytogenetics:	9 48.26 cM
Gene Summary:	Acts as a transcriptional activator. Involved in neurogenesis. Plays important roles in the early stage of organogenesis of the CNS, as well as during dorsal spinal cord development and maturation of the cerebellum. Involved in the spatial distribution of mossy fiber (MF) neurons within the pontine gray nucleus (PGN). Plays a role in the regulation of MF axon pathway choice. Promotes MF migration towards ipsilaterally-located cerebellar territories. May have a role in shear flow mechanotransduction in osteocytes. Retains nuclear GLI1 and GLI3 in the cytoplasm. Binds to the minimal GLI-consensus sequence 5'-TGGGTGGTC-3'. [UniProtKB/Swiss-Prot Function]