

Product datasheet for **MC202100**

Champ1 (NM_181854) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Champ1 (NM_181854) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Champ1
Synonyms:	AA675043; AI116001; D8Ertd457e; D8Ertd569e; mKIAA1802; Zfp828; Znf828
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC028991 sequence for NM_181854
 CCGCCATTCCCGAGGCCGACAGCCAGCCAGAGTTTCCTGTGGGCGTTTCCTCCTTCACTTCAGGAC
 GCCTCGCCGGATGCACTGTTGAAGTCTTTCAAGTGCAGTTCTACGGCGTGTGACAGAAGATGGAAGTGTG
 TCAGGAATTGAGGAAACCAGCGCTAAGCCTGGAGTGTGGGCACTGCAGTTTCAGAGGCACCGATTATGAG
 AATGTGCAGCTCCACATGGGCTCCATTCATCCTGAGTTCTGTGATGATATGGATGCCGGGGCCTGGGCA
 AGCTCATCTTTTACCAGAAGAGTGCAAAGCTCTCCATTGCCATAAAGTCTTCCACCAGCAAGCTGTA
 CGCCAATGTGTACTATCACATCACGGCCAGACGCAGCCTCGGACAAGTGGAGTGCAGCCGAAAGAG
 CAGCCGAGCAAAGACACCGAGTCTGGGAAAAGCCCTCCCTCCTGAGCGGACAGAAACCCAGCCTTTGACC
 CAGCAGAGGCGAGGCCACTCCAGCCCTCCCATGGAAGCACAGAAAACGAGCCCGAGCTTGTGTCCAGA
 GTCACAGGCTTCTGGTCTCCAGTTCTGGAGCCTCAGGGCGTGGTCTTATTTCGCCGAGCCCAA
 GCCCTTGTCTTCTGCTGAGGCCTCAAAGCTGCTCCTGTTCTTGCCTGAGCGTGTAGACCCACCT
 GTGAGTCTCTGAGCTGGAGAAGCCTGAGCGAGGCCCTTCTCCTGAGTCAAGTCTGCTCTTGTGAG
 CTCCAAACCCCAAAGCACTCTTCTTTGCAGACACAGGGCTGCCCTTCAAGTCTTGTCTCCAGAGTCA
 CCAGTACTGGCCACTTCCCTGAACCTTGGGACCATCCCTCAGTGCATCTCCAGAGTCTCGGAAGCCAG
 CGAGGACTGCCTCCCTGAGCCAAGGAAGCCATCCCCAGCAGAGTCTCCTGAACTTTGGAAGCCATTCCC
 TGCCATCGCTTACAGACCTCGGAGACCAACCCAGCAGTGTGCCAGGTTCTGGAAGCCAGGGCCGCT
 GGTTCCTCCTAGGCCTTGGAAATCCAGTCTTCCAGCAACATCAGGACCGTGGAAAGTCACTAAACCTGTT
 AACCTATGTCTCCTGGACCTTGGAAACCAATACCTTCTGTATCACCTGGGCTTGGAAACCTGCCCATC
 TATGTCCACTGCATCCTGGAAGTCTTCACTCTCATCTGTTTCTGGAAAACACCACCCACATCTCCAGAG
 TCATGGAAGTCTGGCCACCTGAACTCCGGAAGACAGCCCTTCCCTTGTCTCCTGAGCACTGGAAGGCGAG
 TGCTCCCGTGTCTCCTGAGTCCCGAGACCAGGCCACCACTTCCCCAGAGATCCGAAGTCCAGCAGG
 TTCTCCAGAGCTCAAGAAGCCTTCAAGTCAACCAGACCTTTGGAAGTTTCTCCTGACCAGCGGAAAAC
 TCTCCTGCTTCACTTGATTTCCCTGAGCCCAAGAAAAGTTCTTGTGGTAGTCTCCTGATCTCTGGAAGT
 TTCTCTTATTATGGAGTCTCAGAAAACCTAACGTCTTCTGAGACGAGGAAGCACACTGCTTCGGGCTC
 ATCTGAGTCAACGAAGGTAGCGTACAGACATATGGAAGCCTGTCTTGTCTATCGATGCTGAGCCTAGGAAG
 TCCACACTGTTTCTGAGCCACCAAAGCAGTCTTCTGCTTCTCCGAGCCACGGAACGCGCACTTT
 TCCAGAGTCCCGGAAGCACGTGTTTCTACCTGAACTTCCCAAATCCGCTGTGTTCTCAGACGCCAGAA
 GGCCCTGAGCTTAGTGAGGAGATACAACCTGAAGCTGTGGATAATGCAAAATGCGATAGTCTGGCCAG
 GAAGGGCTTCTGGCCACCCCAAGAACTGTTAGACGAGGCTTTATCTCCTTCTCAAAGAAGCTCAAGA
 AGGACAGCCAGGAGAAGTCCGATGCCGAGCTCAGTAGCAGTGAATACATCAGAGCAGATTTAGACACGTT
 GGACACGAAGGGCCAGGAGTCAAGCAGCGATCAGGAACAGGTGGATGTGGAAATCGATTGATTTAGCAA
 GAGAACAATAAGTGGAGATGGGTAGTACAGAGCAAGCCAAAATGTGCTTACAGTTCCAGGAGGAAGGAGG
 CCTTATCTCTGAGGAGGAGATCGCAAAGTACATGAAGCGTGGGAAAGGAAATACTACTGCAAAATCTG
 TTGCTGTCCGGCCATGAAAAAGGGCGTGTCTTGCAACCTTGGTTAATAAGCACAAATGTCCACAGTCCA
 TATAAGTGCACAAATTTGTGGAAAAGCGTTTCTTTGGAGTCTCTTCTTAAAAACCAAGTACAGCCACG
 GGCAGAGTTTACTTAAATGTCCACGCTGTAATTTTGAATCAAATTTCCCAAGAGGCTTTAAGAAACACTT
 AACTCACTGTGAGAGCCGCATAATGAAGAGGTGAATAAGAAGCTGATGGAAGCCCTGGAGTCCGCAATTG
 GAGGAGCAGCAGATTTGATCTTCCAGACAGTGGCCCTTGTCTACAGTGTGCTTGGCAGACTCTTAGGTT
 GTTGAGTAGCCTAGATGGACCAGTAGCCAGTATGTGTGATGAGTGGTGTATCCTGGTCTGTAAGTAGTGT
 CAAAAAATAAGTACTTGGTTATTTTTTTCATATGATCCGTTGTTTATGTGGATGGCTATTTTATAAGTCTT
 AATACATTTCTGTATAGATTCCAGATGGATATAACTCATTTTTCTTAAGTTTTATTTTTGTTATAATAC
 AAGGAGTGGGGAAAATAGGCAGGCCATTTAATAACAAGTAAGTTTAAACCTAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_181854
Insert Size: 2409 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:	BC028991 , AAH28991
RefSeq Size:	2868 bp
RefSeq ORF:	2409 bp
Locus ID:	101994
UniProt ID:	Q8K327
Cytogenetics:	8 6.4 cM
Gene Summary:	<p>Required for proper alignment of chromosomes at metaphase and their accurate segregation during mitosis. Involved in the maintenance of spindle microtubules attachment to the kinetochore during sister chromatid biorientation. May recruit CENPE and CENPF to the kinetochore (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.</p>