

## Product datasheet for **MC217972**

### **D14Ertd231e (BC055700) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	D14Ertd231e (BC055700) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	D14Ertd231e
Synonyms:	BC028953; D14Ertd231e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >BC055700  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAACTGTATTGCCTGTCAGGGCACCCAACCTTACCATGCAACGTA CTCAAATCAAATCCACTACTA  
 TTATGTTGGACTGTGGACTGGACATGACTTCCACCCTCAATTTCCCTCCCTTTGCCTTTGTTCAAAGCCC  
 CAGGCTATCTAATCTTCCCGGATGGTCTCTAAAAGACGAAATGCTTTTTTGGACAAGGAGCTAAAAGAG  
 TGCTCCGGTCATGTATTTGTGGATTCTGTGCCTGAATTCTGCTTACCAGAGACCGAGCTAATAGACCTGT  
 CTACAGTCGATGTGATCCTCATCTCTAACTACCCTGCATGATGGCGCTGCCCTACATCACCGAGCACAC  
 AGGATTCACAGGCACAGTGTATGCCACAGAACCACCATGCAGATCGGCAGGCTTCTCATGGAAGAGCTG  
 GTGAATTCATCGAAAGAGTGCCAAAGGCCAGTCTGCCTCCTTGTGGAAGAATAAGGATATACAGCGGC  
 TGCTGCCTTCTCCCTCAAGGATGCAGTGAAGTGTCAACCTGGAGAAGATGCTACACGATGCAGGAGGT  
 GAACTCGGCCCTCAGTAAATCCAGCTGGTGGGATATCCAGAAAATCGAGCTGTTTGGTGTGTCCAG  
 GTGACCCCTCTGAGCTCTGGCTATGCCCTTGAAGCTCCAACCTGGATTATCCAGTACATTATGAGAAA  
 TATCTTACGTCTCTGGATCCTCCTTGTACCACACACCCCTCAGCCCATGGACCAAGCTTCTCTCAAAA  
 CAGTGACGTTCTGATTCTCACAGGGCTGACACAGATCCCTACTGCAAACCCGGACGGCATGGTGGGCGAG  
 TTCTGCAGCAACCTCGCTCTGACAGTTCGGAATGGAGGAAACGTGTTGGTCCCTTGCTATCCTTCAGGCG  
 TGATCTATGACCTCCTGGAGTGTATATCAATACATTGACTCCGCTGGCTCTCCAACATCCCTTTCTA  
 CTTTCATCTCCCCGTTGCCAACAGTTCACTCGAGTTTTCCAGATTTTTGCTGAGTGGCTTTGTCAACA  
 AACAGAGTAAAGTTTACCTCCCAGAACCCCTTCCACATGCAGAGCTCATTACAGCAATAAGCTGA  
 AGCACTACCGCAGCATCCACGGTGACTTCAGCAATGACTTCAGACAGCCGTGTGTCTGTTCCACGGACA  
 TCCTTCCCTCCGCTTTGGGGACGTCGTCCAATTCATGGAGCTCTGGGGGAAGTCCAGCCTCAACACCATC  
 ATATTCACAGAACCCGATTTCTCTACCTGGAGGCCTTGCTCCTTACCAGCCGCTGGCCATGAAGTGCA  
 TCTACTGCCCAATTGACACTCGACTGAATTTTCATCCAGGTGTCAAAGCTGCTTAAAGAAGTACAGCCCT  
 GCACGTGGTCTGTCTGAGCAGTACACCCAGCCACCGCCAGCCAGGCCACAGGATGGACCTCATGATC  
 GACTGCCAGCCACAGCCATGCTCTATCGACGGGCTGAGGTCCTTGCCTGCCCTTCAAACGACGCTATG  
 AGAAAATTGAAATCATGCCAGAGCTGGCAGACTCCCTGGTGGCCATGAAATCAAGCCTGGCATCTCCTT  
 GCGGACTGTCTCAGCTGTGCTGCATACGAAGATAACAAACATGTGCTTACAGCCCTCCAAGCCACC  
 CAGCCACAGCAGTAAGAAGAGGAAGCGGGTGAACGAGGACATTCCTGACTGCAAAGTACTGAAGCCTC  
 TGCTGAGTGGCTCCATCCCGTAGAGCAGTTTGTGCAGACCTGGAGAAGCATGGCTTCACTGACATTAA  
 GGTGGAAGACACAGCCAAGGGACATATTGTCTGCTGCAGGAAGCCGAGACACTCATCCAGATTGAAGAA  
 GACTCCACTCACATCATCTGTGACAATGACGAGACTGAGGGTCCGACTGCGGGACCTGTCTCAGGT  
 TCCTGCAGAAGTTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** BC055700

**Insert Size:** 1977 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:** [BC055700](#), [AAH55700](#)

**RefSeq Size:** 2414 bp

**RefSeq ORF:** 1976 bp

**Locus ID:** 210925

**Cytogenetics:** 14 33.81 cM

**Gene Summary:** Component of the Integrator (INT) complex, a complex involved in the small nuclear RNAs (snRNA) U1 and U2 transcription and in their 3'-box-dependent processing. The Integrator complex is associated with the C-terminal domain (CTD) of RNA polymerase II largest subunit (POLR2A) and is recruited to the U1 and U2 snRNAs genes. Mediates recruitment of cytoplasmic dynein to the nuclear envelope, probably as component of the INT complex. [UniProtKB/Swiss-Prot Function]