

Product datasheet for **MC218558**

D14Ertd231e (BC028953) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >BC028953
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAACTGTATTGCCTGTCAGGGCACCCAACCTTACCATGCAACGTAACAATCAAATCCACTACTA
 TTATGTTGGACTGTGGACTGGACATGACTTCCACCCTCAATTTCCCTCCCTTTGCCTTGTTCAAAGCCC
 CAGGCTATCTAATCTTCCCGGATGGTCTCTAAAAGACGGAATGCTTTTTTGGACAAGGAGCTAAAAGAG
 TGCTCCGGTCATGTATTTGTGGATTCTGTGCCTGAATTCTGCTTACCAGAGACCGAGCTAATAGACCTGT
 CTACAGTCGATGTGATCCTCATCTAACTACCCTGCATGATGGCGCTGCCCTACATCACCGAGCACAC
 AGGATTCACAGGCACAGTGTATGCCACAGAACCACCATGCAGATCGGCAGGCTTCTCATGGAAGAGCTG
 GTGAATTCATCGAAAGAGTGCCAAAGGCCAGTCTGCCTCCTTGTGGAAGAATAAGGATATACAGCGGC
 TGCTGCCTTCTCCCTCAAGGATGCAGTGAAGTGTCAACCTGGAGAAGATGCTACACGATGCAGGAGGT
 GAACTCGGCCCTCAGTAAAATCCAGCTGGTGGGATATCCAGAAAATCGAGCTGTTTGGTGTGTCCAG
 GTGACCCCTCTGAGCTCTGGCTATGCCCTTGAAGCTCCAACCTGGATTATCCAGTACATTATGAGAAA
 TATCTTACGTCTCTGGATCCTCCTTGTACCACACACCCCTCAGCCCATGGACCAAGCTTCTCTAAAAA
 CAGTGACGTTCTGATTCTCACAGGGCTGACACAGATCCCTACTGCAAACCCGGACGGCATGGTGGGCGAG
 TTCTGCAGCAACCTCGCTCTGACAGTTCGGAATGGAGGAAACGTGTTGGTCCCTTGTATCCTTCAGGCG
 TGATCTATGACCTCCTGGAGTGTATATCAATACATTGACTCCGCTGGCTCTCCAACATCCCTTTCTA
 CTTTCATCTCCCCGTGGCAACAGTTCACTCGAGTTTTCCAGATTTTTGCTGAGTGGCTTTGTCAACA
 AACAGAGTAAAGTTTACCTCCCAGAACCACCTTTCCACATGCAGAGCTCATTACAGCAATAAGCTGA
 AGCACTACCGCAGCATCCACGGTACTTCAGCAATGACTTCAGACAGCCGTGTGTCTGTTCCACCGGACA
 TCCTTCCCTCCGCTTTGGGGACGTCGTCCAATTCATGGAGCTCTGGGGGAAGTCCAGCCTCAACACCATC
 ATATTCACAGAACCCGATTTCTCTACCTGGAGGCCTTGCTCCTTACCAGCCGCTGGCCATGAAGTGCA
 TCTACTGCCCAATTGACACTCGACTGAATTTTCATCCAGGTGTCAAAGCTGCTTAAAGAAGTACAGCCCT
 GCACGTGGTCTGTCTGAGCAGTACACCAGCCACCGCCAGCCAGGCCACAGGATGGACCTCATGATC
 GACTGCCAGCCACAGCCATGCTCTATCGACGGGCTGAGGTCTTGCCTGCCCTTCAAACGACGCTATG
 AGAAAATTGAAATCATGCCAGAGCTGGCAGACTCCCTGGTGGCCATGGAATCAAGCCTGGCATCTCCTT
 GCGGACTGTCTCAGCTGTGCTGCATACGAAGGATAACAAACATGTGCTTACAGCCCTCCAAGCCACC
 CAGCCCACCAGCAGTAAGAAGAGGAAGCGGGTGAACGAGGACATTCCTGACTGCAAAGTACTGAAGCCTC
 TGCTGAGTGGCTCCATCCCGTAGAGCAGTTTGTGCAGACCCTGGAGAAGCATGGCTTCACTGACATTAA
 GGTGGAAGACACAGCCAAGGGACATATTGTCTGCTGCAGGAAGCCGAGACACTCATCCAGATTGAAGAA
 GACTCCACTCACATCATCTGTGACAATGACGAGACTGAGGGTCCGACTGCGGGACCTGTCTCAGGT
 TCCTGCAGAAGTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC028953

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: [BC028953](#), [AAH28953](#)

RefSeq Size: 2212 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]