

Product datasheet for **MR209823**

D14Ertd231e (BC055700) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR209823 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAACTGTATTGCCTGTCAGGGCACCCAACCTTACCATGCAACGTACTCAAATCAAATCCACTACTA
 TTATGTTGGACTGTGGACTGGACATGACTTCCACCCTCAATTCCTCCCTTTGCCTTTGTTCAAAGCCC
 CAGGCTATCTAATCTTCCCGGATGGTCTCTAAAAGACGGAATGCTTTTTTGGACAAGGAGCTAAAAGAG
 TGCTCCGGTCATGATTTGTGGATTCTGTGCCTGAATTCTGCTTACCAGAGACCGAGCTAATAGACCTGT
 CTACAGTCGATGTGATCCTCATCTCTAACTACCACTGCATGATGGCGCTGCCCTACATCACCGAGCACAC
 AGGATTCACAGGCACAGTGTATGCCACAGAACCACCATGCAGATCGGCAGGCTTCTCATGGAAGAGCTG
 GTGAATTCATCGAAAGAGTGCCAAAGGCCAGTCTGCCTCCTTGTGGAAGAATAAGGATATACAGCGGC
 TGCTGCCTTCTCCCTCAAGGATGCAGTGAAGTGTCAACCTGGAGAAGATGCTACACGATGCAGGAGGT
 GAACTCGGCCCTCAGTAAATCCAGCTGGTGGGATATCCAGAAAATCGAGCTGTTTGGTGTGTCCAG
 GTGACCCCTCTGAGCTCTGGCTATGCCCTTGAAGCTCCAACCTGGATTATCCAGTCACATTATGAGAAA
 TATCTTACGTCTCTGGATCCTCCTTGTACCACACACCCCTCAGCCCATGGACCAAGCTTCTCTAAAAA
 CAGTGACGTTCTGATTCTCACAGGGCTGACACAGATCCCTACTGCAAACCCGGACGGCATGGTGGGCGAG
 TTCTGCAGCAACCTCGCTCTGACAGTTCGGAATGGAGGAAACGTGTTGGTCCCTTGCTATCCTTCAGGCG
 TGATCTATGACCTCCTGGAGTGTATATCAATACATTGACTCCGCTGGCCTCTCCAACATCCCTTTCTA
 CTTTCATCTCCCCGTTGCCAACAGTTCACTCGAGTTTTCCAGATTTTTGCTGAGTGGCTTTGTCAACA
 AACAGAGTAAAGTTTACCTCCCAGAACCCCTTCCACATGCAGAGCTCATTACAGCAATAAGCTGA
 AGCACTACCGCAGCATCCACGGTGACTTCAGCAATGACTTCAGACAGCCGTGTGTCTGTTACCCGGACA
 TCCTTCCCTCCGCTTTGGGGACGTCTGCTCACTTCATGGAGCTCTGGGGGAAGTCCAGCCTCAACACCATC
 ATATTCACAGAACCCGATTTCTCTACCTGGAGGCCTTGCTCCTTACCAGCCGCTGGCCATGAAGTGCA
 TCTACTGCCCAATTGACTCTGACTGAATTTTCATCCAGGTGTCAAAGCTGCTTAAAGAAGTACAGCCCT
 GCACGTGGTCTGTCTGAGCAGTACACCCAGCCACCGCCAGCCAGGCCACAGGATGGACCTCATGATC
 GACTGCCAGCCACCAGCCATGCTCTATCGACGGGCTGAGGTCCTTGCCCTGCCCTCAAACGACGCTATG
 AGAAAATTGAAATCATGCCAGAGCTGGCAGACTCCCTGGTGGCCATGGAAATCAAGCCTGGCATCTCCTT
 GCGGACTGTCTCAGCTGTGCTGCATACGAAGGATAACAAACATGTGCTTACAGCCCCCTCCAAGCCACC
 CAGCCCACCAGCAGTAAGAAGAGGAAGCGGGTGAACGAGGACATTCTGACTGCAAAGTACTGAAGCCTC
 TGCTGAGTGGCTCCATCCCGTAGAGCAGTTTGTGCAGACCCTGGAGAAGCATGGCTTCACTGACATTAA
 GGTGGAAGACACAGCAAGGGACATATTGCTCTGCTGCAGGAAGCCGAGACACTCATCCAGATTGAAGAA
 GACTCCACTCACATCTGTGACAATGACGAGACTGAGGGTCCGACTGCGGGACCTTGTCTCAGGT
 TCCTGCAGAAAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209823 protein sequence
Red=Cloning site Green=Tags(s)

MKLYCLSGHPTLPCNVLFKFKSTTIMLDCGLDMTSTLNFLPLPLVQSPRLSNLPGWSLKDGNFLDKELKE
 CSGHVFVDSVPEFCLPETELIDLSTVDVILISNYHCMALPYITEHTGFTGTVYATEPTMQIGRLLMEEL
 VNFIERVPAQASASLWKNKDIQRLLPSLKD AVEVSTWRRRCYTMQEVNSALSKIQLVGYEQKIELFGAVQ
 VTPLSSGYALGSSNWI IQSHYEKVS YVSGSSLLTTHPQPMDAQSLKNSDVLILTGLTQIPTANPDGMVGE
 FCSNLALTVRNGGNLVPCYPSGVIYDLLECLYQYIDSAGLSNIPFYFISPVANSSLEFSQIFAEWLCHN
 KQSKVYLPEPPFPHAELIQTNKLKHYRSIHGDFSNDFRQPCVLFTHGSLRF GDVVHFMELWGKSSLNTI
 IFTEPDFSYLEALAPYQPLAMKCIYCPIDTRLNFIQVSKLLKEVQPLHVVCPEQYQPPPAQAHRMDLMI
 DCQPPAMSYRRAEVLALPFKRRYEKIEIMPELADSLVPMEIKPGISLATVS AVLHTKDNKHVLQPPPKPT
 QPTSSKKRKRVEDIPDCKVLKPLLSGSIPVEQFVQTLKHFSDIKVEDTAKGHIVLLQE AETLIQIEE
 DSTHIICDND ETLRVLRDLVLRFLQKF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC055700

ORF Size: 1974 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

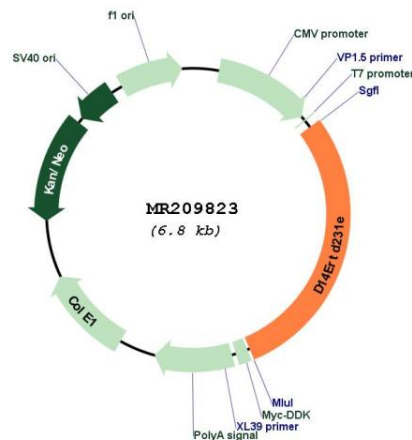
Locus ID: 210925

Cytogenetics: 14 33.81 cM

MW: 74.1 kDa

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]

Product images:



Circular map for MR209823