

Product datasheet for **MG209828**

D14Ertd231e (BC028953) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	D14Ertd231e (BC028953) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	D14Ertd231e
Synonyms:	BC028953; D14Ertd231e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG209828 representing BC028953
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAACTGTATTGCCTGTCAGGGCACCCAACCTTACCATGCAACGTA CTCAAATCAAATCCACTACTA
 TTATGTTGGACTGTGGACTGGACATGACTTCCACCCTCAATTTCCCTCCCTTTGCCTTTGTTCAAAGCCC
 CAGGCTATCTAATCTTCCCGGATGGTCTCTAAAAGACGGAATGCTTTTTTGGACAAGGAGCTAAAAGAG
 TGCTCCGGTCATGATTTGTGGATTCTGTGCCTGAATTCTGCTTACCAGAGACCGAGCTAATAGACCTGT
 CTACAGTCGATGTGATCCTCATCTCTAACTACCACTGCATGATGGCGCTGCCCTACATCACCGAGCACAC
 AGGATTCACAGGCACAGTGTATGCCACAGAACCCACCATGCAGATCGGCAGGCTTCTCATGGAAGAGCTG
 GTGAATTCATCGAAAGAGTGCCAAAGGCCAGTCTGCCTCCTTGTGGAAGAATAAGGATATACAGCGGC
 TGCTGCCTTCTCCCTCAAGGATGCAGTGAAGTGTCAACCTGGAGAAGATGCTACACGATGCAGGAGGT
 GAACTCGGCCCTCAGTAAAATCCAGCTGGTGGGATATCCAGAAAATCGAGCTGTTTGGTGTGTCCAG
 GTGACCCCTCTGAGCTCTGGCTATGCCCTTGAAGCTCCAACCTGGATTATCCAGTACATTATGAGAAA
 TATCTTACGTCTCTGGATCCTCCTTGTACCACACACCCCTCAGCCCATGGACCAAGCTTCTCTCAAAAA
 CAGTGACGTTCTGATTCTCACAGGGCTGACACAGATCCCTACTGCAAACCCGGACGGCATGGTGGGCGAG
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 AACAGAGTAAAGTTTACCTCCCAGAACCACCTTTCCACATGCAGAGCTCATTACAGACGAATAAGCTGA
 AGCACTACCGCAGCATCCACGGTGACTTCAGCAATGACTTCAGACAGCCGTGTGTCTGTTACCCGGACA
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 TCTACTGCCCAATTGACACTCGACTGAATTTTCATCCAGGTGTCAAAGCTGCTTAAAGAAGTACAGCCCT
 GCACGTGGTCTGTCTGAGCAGTACACCCAGCCACCGCCAGCCAGGCCACAGGATGGACCTCATGATC
 GACTGCCAGCCACCAGCCATGCTCTATCGACGGGCTGAGGTCCTTGCCCTGCCCTCAAACGACGCTATG
 AGAAAATTGAAATCATGCCAGAGCTGGCAGACTCCCTGGTGGCCATGGAAATCAAGCCTGGCATCTCCTT
 GCGGACTGTCTCAGCTGTGCTGCATACGAAGGATAACAAACATGTGCTTACAGCCCCCTCCAAGCCACC
 CAGCCCACCAGCAGTAAGAAGAGGAAGCGGGTGAACGAGGACATTCTGACTGCAAAGTACTGAAGCCTC
 TGCTGAGTGGCTCCATCCCGTAGAGCAGTTTGTGCAGACCCTGGAGAAGCATGGCTTCACTGACATTAA
 GGTGGAAGACACAGCCAAGGGACATATTGCTCTGCTGCAGGAAGCCGAGACACTCATCCAGATTGAAGAA
 GACTCCACTCACATCTGTGACAATGACGAGACACTGAGGGTCCGACTGCGGGACCTTGTCTCAGGT
 TCCTGCAGAAAGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG209828 representing BC028953
 Red=Cloning site Green=Tags(s)

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MKLYCLSGHPTLPCNVLKFKSTTIMLDCGLDMTSTLNFLPLPLVQSPRLSNLPGWSLKDGNFLDKELKE
CSGHVFDVSVPEFCLPETELIDLSTVDVILISNYHCMALPYITEHTGFTGTVYATEPTMQIGRLLMEEL
VNFIERVPKAQASASLWKNKDIQRLLPSPLKDAVEVSTWRRRCYTMQEVNSALSKIQLVGYEQKIELFGAVQ
VTPLSSGYALGSSNWI IQSHYEKVSYSVSGSSLLTTHPQPMDDQASLKNSDVLILTGLTQIPTANPDGMVGE
FCSNLALTVRNGGNVLPYPCYSGVIYDLECLYQYIDSAGLSNIPFYFISPVANSSLEFSQIFAEWLCHN
KQSKVYLPPEPPFPHAE LIQTNKLKHYRSIHGDFSDFRQPCVLFTHGHPSLRFGDVVHFMELWGKSSLNTI
IFTEPDFSYLEALAPYQPLAMKCIYCPIDTRLNFIQVSKLLKEVQPLHVVCPEQYQPPPAQAHRLDLMI
DCQPPAMSYRRAEVLALPFKRRYEKIEIMPELADSLVPMEIKPGISLATVSAVLHTKDNKHVLQPPPKPT
QPTSSKKRKRVEDIPDCKVLKPLLSGSIPVEQFVQTLKHFSDIKVEDTAKGHIVLLQEAE TLQIEE
DSTHIICDND ETLRVRLRDLVLRFLQKF
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC028953

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: [BC028953.1](#)

RefSeq Size: 2212 bp

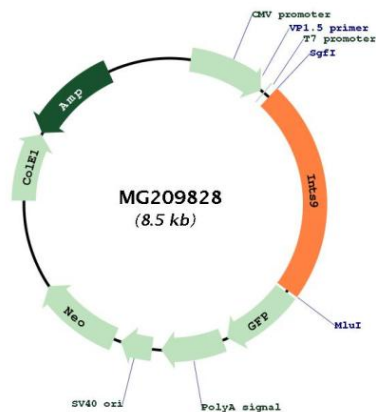
RefSeq ORF: 1976 bp

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]

Product images:



Circular map for MG209828