

Product datasheet for **MC201610**

D16Ertd472e (NM_025967) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	D16Ertd472e (NM_025967) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	D16Ertd472e
Synonyms:	1700010I10Rik; 2310009O17Rik; E330003K22Rik; Eurl
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC019957 sequence for NM_025967
 CCGATCGTGGCGCGGACGGTGGCCCGCGGAGCCGGACGGTAGAGGTCCTTCTCTGAGCCGCTCTGGTG
 CTCAGGACCAGTGCCGGGACGGACGGACAAACGAGACGGATCCCACGCCGTGCCGGACGCCACGATCCT
 CGAGTGGCGTCCCGGGACCCCTCCGGTCCGTGGCTGAAGAGTCTCCGACGGGACTATGAACGAAGAGGA
 GCAGTTTGTAAAGCATTGACTTGAATGATGACAACATTTGCAGTGTGTTGAAACTGGGAACAGACAAAGAC
 ACATCTCCTTCTGCCACATTTGCTTCGAGCTAAATCTCGAGGGAGTGCCAAAGTCGAATCTTTTACACA
 CCAAATCAGTGAGAGGCCATAAAGACTGCTTTGAAAAATACCATTTAATAGCAAACCAGGATTGTTCTCG
 TTCCAAGCTTTCCAAAAGTACTTATGAAGGAGTTAAAACCATCGTGAGTAAGAAGATAAACTGGATTGTG
 CAGTATGCCAAAAATAAAATCTGGATTGGAGTCCGAGTGTTCAAAACTTCCCAGCATCCCCTGTTGA
 ATTTCAGGCATAAGCCAGAGAAGAAATTGCTCCCACAGTTTACTCTCAGGTGCCAAAGTACTCGGCAAA
 AGGCTCAGCCGAAACGCAGGCAGCATCTCAAGCTATGCGCAGAGAATCCTGGAGCACAGAGAAAAACA
 GACTTCGGGCTGGGTTTATTGGAAGACGCGGATGCATTGTGGACTCACAGTCACAGCCAGGCACAGAAAA
 CAGAAGAGACAAGCTCTGGTCCGGAGGGGACTATCCAGACCCAGAATCCACATTACAGCCGTGAAGAATT
 GAATTCGATGACTCTTGTGAAGTAGTACAACAGTGCAGAGCTCCAACAGCGAATCCAAGAGGTTTTT
 GAAGAGTTAACACACCAGGTGCAAGAGAAGGACTCTCTGGCGTCAGAGCTCCATGTCGTCACGTGGCTA
 TCGAGCAACTCCTCAAGAACTGCTCCAAGTTGCCATGCCTCCAAGTGGGACGACAGGGACGAGGTCA
 CCTACCCATGAACCACTGAAGGGACCGGAGCTGTCCTGCTTTCATCCTCTACTGCTCTGCTAAGCATATG
 GACCGAGAAAAACATGGGAAGGAAGTCATGGTCCATTTTTATGGTTGTTGTGCTTGCAAAACCTAAGATA
 TACTCATTATCTTTATCTAATAAAGCAGATCACTCTAGTCCAGGGTTACTCAATCATTGGCTTCATCGG
 GGGACTTCTTATAAATAAATGCCCCCCTCTATCTTTTACCATATGTGACTACTTAAATATTCTGTTA
 TAGTGTTTTTACTGACCAATTTTTATTGTAACCTCAGTTGTCAAAAACAATAGAAGCCTAGTAAGGCTTA
 TGTTCACTAACTACTAGAGAGAATTTTTAAAAGGGAATAGAATTCGTAATATCACCTTATTTATGAG
 CAATATTTAATAAAAAATTTTATATAGAGAATTGCTATTTTGGGTATTTTTTATTGCTTTTATAAGTCT
 GTATTTGAATGGCCATGTGATTTGCACTTCTGTGTGAATATGTTCACTCTGTCAAGATCGCTGCATT
 TTGGCAATACGGTGTTTTTATACTTATCTTTCTTCCAAAGATACATGTGTTTCCGATAGTATTCCGGAG
 AAGCAGTCTACCTAGCTGAGCTGTTTTAACTACTTAACAGAATATGAAAGTGAATTAATCGTTCCTTTA
 AAGCAATATCCAAGTAAACAAAGCAGCAGATTATTGTTTTCTAATGGAAACAGTGTGAATTCGCTTAG
 GAAGAAAAGACTATTCTAGTTTGTATGTGTGAGTCCATAAAAGTAGTGGCCCTGCCCTGCTTCTTAAT
 TCTCAACACTTTCTGGATGTGTAGTTTTGGACAAAGTAGGTCAACTATCTTCAGACTGCCTGGTCTT
 CCTTTGGGGAAAAAATAAAATTTATATGTGTGCCACTTCACATGGAGTTCCTGTAATCTACGAAGTGC
 CAAATTTCTGCTATCCACATCACTGAAATAGTCCAAAAAATAATAAACAACCACTTAAAGAAAGAAAA
 GAAAAAGCATTTCAAGGTAATTTCTAAGTTTTAAAACCTTAAAGGGATAGACGATTACAGCACCACCAC
 CCCCCAAAAAATTTCAATAAAAGGATAGTATAAGCTACTTTGGTTTCATATTCTTAGCTACTAAGTTAA
 TGATGACACAAAAGCTAGTGCAAAATTAAGATGAACCTTTAGCTGATGCTTAGAATGTATTTGTGTGGC
 TGATAGGGTTTGCTGCAGAAATCTAAGGAAAGAAAACCCATTGACTTGGCAGCCCTCACTTGGC
 AGCCCTCATGCATAAAGATGGTTTCTGCCTTGAAGTCGGCAATCTGTATCTGGGCATGGGTGAGACTTT
 AATATTGAACATAAATAATTTGACTAAGCAACAGCTGCCTCACTGTAGAAAAAGCACCTTTTCTGTA
 TGCTAGGATGTGTTAACTGGCTGGCTGTGTGCATTAGTCAATGTCCCATTGGTTTTGCTCTGTCTGTA
 AGAAAACCTTACCTTTGAAGCTTTTTGGAAGGAGTTTTTGGGAAAAAGAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_025967
- Insert Size:** 873 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: [BC019957](#), [AAH19957](#)

RefSeq Size: 2653 bp

RefSeq ORF: 873 bp

Locus ID: 67102

UniProt ID: [Q9D7G4](#)

Cytogenetics: 16 45.36 cM

Gene Summary: Plays a role in cortical progenitor cell proliferation and differentiation (PubMed:27404227). Promotes dendritic spine development of post-migratory cortical projection neurons by modulating the beta-catenin signaling pathway (PubMed:27404227).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3 and 4 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.