

Product datasheet for **MC226818**

D16Ertd472e (NM_001252438) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: D16Ertd472e (NM_001252438) Mouse Untagged Clone
Tag: Tag Free
Symbol: D16Ertd472e
Synonyms: 1700010I10Rik; 2310009O17Rik; E330003K22Rik; Eurl
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226818 representing NM_001252438
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAACGAAGAGGAGCAGTTTGTAAAGCATTGACTTGAATGATGACAACATTTGCAGTGTTTGTAACTGG
GAACAGACAAAGACACGCTCTCCTTCTGCCACATTTGCTTCGAGCTAAATCTCGAGGGAGTGCCAAAGTC
GAATCTTTTACACACAAATCAGTGAGAGGCCATAAAGACTGCTTTGAAAAATACCATTTAATAGCAAAC
CAGGATTGTTCTCGTTCCAAGCTTTCAAAAGTACTTATGAAGGAGTTAAACCATCGTGAGTAAGAAGA
TAAACTGGATTGTGCAGTATGCCAAAATAAAAACTGGATTTGGAGTCCGAGTGTTCAAAACCTCCCA
GCATCCCTGTTGAATTCAGGCATAAGCCAGAGAAGAAATTGCTCCCACAGTTTACTCTCAGGTGCCA
AAGTACTCGGCAAAGGCTCAGCCGAAACGCAGGCAGCATCTCAAGCTATGCGCAGAGAATCCTGGAGC
ACAGAGAAAATACAGACTTCCGGCTGGGTTTATTGGAAGACGCGGATGCATTGTGGACTCACAGTCACAG
CCAGGCACAGAAAACAGAAGAGACAAGCTCTGGTCCGGAGGGGACTATCCAGACCCAGAATCCACATTAC
AGCCGTGAAGAATTGAATTCGATGACTCTTGTGAAGTAGTACAACTGAGTGCGAAGCTCCAACAGCGAA
TCCAAGAGTTTTTGAAGAGTTAACACACCAGGTGCAAGAGAAGGACTCTCTGGCGTCAGAGCTCCATGT
CCGTACGTGGCTATCGAGCAACTCCTCAAGAAGTCTCAAGTTGCCATGCCTCCAAGTGGGACGGACA
GGGACGAGGTCACACCTACCCATGAACCACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001252438
Insert Size: 873 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none"> 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:	<u>NM_001252438.1</u> , <u>NP_001239367.1</u>
RefSeq Size:	6160 bp
RefSeq ORF:	873 bp
Locus ID:	67102
UniProt ID:	<u>Q9D7G4</u>
Cytogenetics:	16 45.36 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. 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.</p>