

## Product datasheet for MC226820

### D16Ertd472e (NM\_001252440) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** D16Ertd472e (NM\_001252440) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** D16Ertd472e  
**Synonyms:** 1700010I10Rik; 2310009O17Rik; E330003K22Rik; Eurl  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC226820 representing NM\_001252440  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAACGAAGAGGAGCAGTTTGTAAAGCATTGACTTGAATGATGACAACATTTGCAGTGTTTGTAACTGG  
 GAACAGACAAAGACACGCTCTCCTTCTGCCACATTTGCTTCGAGCTAAATCTCGAGGGAGTGCCAAAGTC  
 GAATCTTTTACACACCAAATCAGTGAGAGGCCATAAAGACTGCTTTGAAAAATACCATTTAATAGCAAAC  
 CAGGATTGTTCTCGTTCCAAGCTTCCAAAAGTACTTATGAAGGAGTTAAAACCATCGTGAGTAAGAAGA  
 TAAACTGGATTGTGCAGTATGCCAAAAATAAAATCTGGATTTGGAGTCCGAGTGTCCAAAACCTCCCA  
 GCATCCCCTGTTGAATTCAGGCATAAGCCAGAGAAGAAATTGCTCCACAGTTTACTCTCAGGTGCCA  
 AAGTACTCGGCAAAAGGCTCAGCCGAAACGCAGGCAGCATCTCAAGCTATGCGCAGAGAATCCTGGAGC  
 ACAGAGAAAAACAGACTTCCGGCTGGGTTTATTGGAAGACGCGGATGCATTGTGGACTCACAGTCACAG  
 CCAGGCACAGAAAAACAGAAGAGACAAGCTCTGGTCCGGAGGGGACTATCCAGACCCAGAATCCACATTAC  
 AGCCGTGAAGAATTGAATTCGATGACTCTTGTGAAGTAGTACAAGTACTGAGTGCGAAGCTCCAACAGCGAA  
 TCCAAGAGGTTTTTGAAGAGTTAACACACCAGGTGCAAGAGAAGGACTCTCTGGCGTCAGAGCTCCATGT  
 CCGTCACGTGGCTATCGAGCAACTCCTCAAGAAGTCTCAAGTGTCCATGCCTCCAAGTGGGACGGACA  
 GGGACGAGGTCACACCTACCCATGAACCACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001252440  
**Insert Size:** 873 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001252440.1</a></u> , <u><a href="#">NP_001239369.1</a></u>
<b>RefSeq Size:</b>	5892 bp
<b>RefSeq ORF:</b>	873 bp
<b>Locus ID:</b>	67102
<b>UniProt ID:</b>	<u><a href="#">Q9D7G4</a></u>
<b>Cytogenetics:</b>	16 45.36 cM
<b>Gene Summary:</b>	<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 (4) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3 and 4 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>