

Product datasheet for MR203959L4

OriGene Technologies, Inc.

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D16Ertd472e (NM_025967) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: D16Ertd472e (NM_025967) Mouse Tagged Lenti ORF Clone

Tag: mGFP

Symbol: D16Ertd472e

Synonyms: 1700010I10Rik; 2310009O17Rik; E330003K22Rik; Eurl

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Sgfl-Mlul

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(MR203959).

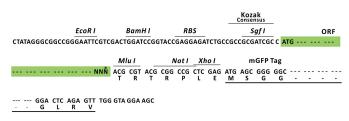
Sequence:

Restriction Sites: Cloning Scheme:

Cloning sites used for ORF Shuttling:

Sgf I ORF Mlu I

--- GCG ATC GC|C ATG ---//--- NNN ACG GCT ---



^{*} The last codon before the Stop codon of the ORF

ACCN: NM_025967

ORF Size: 873 bp





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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: <u>NM 025967.2</u>, <u>NP 080243.2</u>

 RefSeq Size:
 5960 bp

 RefSeq ORF:
 873 bp

 Locus ID:
 67102

 UniProt ID:
 Q9D7G4

Cytogenetics: 16 45.36 cM

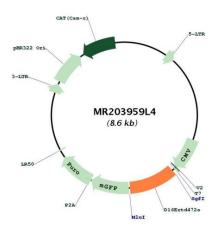
Gene Summary: Plays a role in cortical progenitor cell proliferation and differentiation (PubMed:27404227).

Promotes dendritic spine development of post-migratory cortical projection neurons by modulating the beta-catenin signaling pathway (PubMed:27404227).[UniProtKB/Swiss-Prot

Function]



Product images:



Circular map for MR203959L4