

Product datasheet for MR203959

D16Ertd472e (NM_025967) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	D16Ertd472e (NM_025967) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	D16Ertd472e
Synonyms:	1700010I10Rik; 2310009O17Rik; E330003K22Rik; Eurl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203959 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGAAGAGGAGCAGTTTGTAAAGCATTGACTTGAATGATGACAACATTTGCAGTGTTTGTAACTGG
GAACAGACAAAGACACACTCTCCTTCTGCCACATTTGCTTCGAGCTAAATCTCGAGGGAGTGCCAAAGTC
GAATCTTTACACACCAAATCAGTGAGAGGCCATAAAGACTGCTTTGAAAAATACCATTTAATAGCAAAC
CAGGATTGTTCTCGTTCCAAGCTTCCAAAAGTACTTATGAAGGAGTTAAAACCATCGTGAGTAAGAAGA
TAAACTGGATTGTGCAGTATGCCAAAAATAAAATCTGGATTTGGAGTCCGAGTGTCCAAAACCTCCCA
GCATCCCCTGTTGAATTTCAAGCATAAGCCAGAGAAGAAATTGCTCCACAGTTTACTCTCAGGTGCCA
AAGTACTCGGCAAAAGGCTCAGCCGAAACGCAGGCAGCATCTCAAGCTATGCGCAGAGAATCCTGGAGC
ACAGAGAAAAACAGACTTCGGGCTGGGTTTATTGGAAGACGCGGATGCATTGTGGACTCACAGTCACAG
CCAGGCACAGAAAACAGAAGAGACAAGCTCTGGTCCGGAGGGGACTATCCAGACCCAGAATCCACATTAC
AGCCGTGAAGAATTGAATTCGATGACTCTTGTGAAGTAGTACAAGTACTGAGTGCGAAGCTCCAACAGCGAA
TCCAAGAGGTTTTGAAGAGTTAACACACCAGGTGCAAGAGAAGGACTCTCTGGCGTCAGAGCTCCATGT
CCGTCAGTGGCTATCGAGCAACTCCTCAAGAAGTCTCAAGTTGCCATGCCTCCAAGTGGGACGGACA
GGGACGAGGTCACACCTACCCATGAACCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203959 protein sequence
Red=Cloning site Green=Tags(s)

MNEEEQFVSDLNDDNICSVCKLGTDKDTLSFCHICFELNLEGVPKSNLLHTKSVRGHKDCFEKYHLIAN
 QDCRSKLSKSTYEGVKTI VSKKINWIVQYAQNKNDLESECSKTSQHPLLNFRHKPEKLLPQFDSQVP
 KYSAKGSAGNAGSISSYAQRILEHRENTDFGLLLEDADALWTHSHSQAQKTEETSSGPEGTIQTQNPY
 SREELNSMTLAEVVQLSAKLQQRIQEVFEELTHQVQEKDSLASELHVRHVAIEQLLKNCSKLPCLQVGR
 GTRSHLPMNH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_025967

ORF Size: 873 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: [NM_025967.2](#), [NP_080243.2](#)

RefSeq Size: 5960 bp

RefSeq ORF: 873 bp

Locus ID: 67102

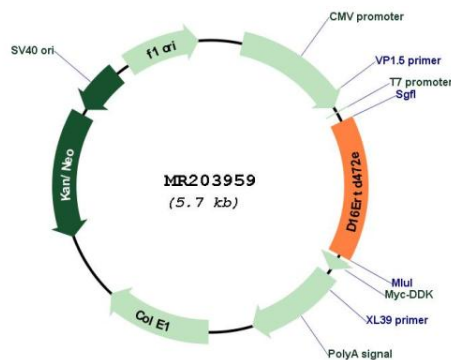
UniProt ID: [Q9D7G4](#)

Cytogenetics: 16 45.36 cM

MW: 32.8 kDa

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 MR203959