

Product datasheet for MR217826

Ensa (NM_019561) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Ensa (NM_019561) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: Ensa

Synonyms: 1700020C18Rik; 2610007F17Rik; Al451924

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

Cell Selection: Neomycin

ORF Nucleotide >MR217826 representing NM_019561

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

TGGCCAAGTTGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR217826 representing NM_019561

Red=Cloning site Green=Tags(s)

MSQKQEEENPAEETGEEKQDTQEKEGILPEKAEEAKLKAKYPSLGQKPGGSDFLMKRLQKGQKYFDSGDY

NMAKAKMKNKQLPSAGADKNLVTGDHIPTPQDLPQRKSSLVTSKLAGGQVE

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Restriction Sites: Sgfl-Mlul



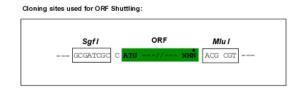
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

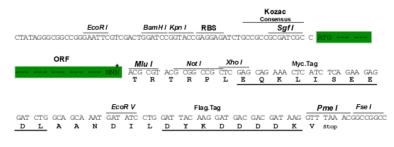
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



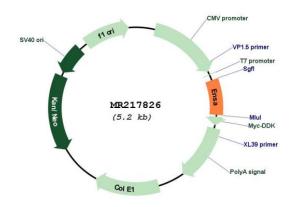
Cloning Scheme:





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

Plasmid Map:



ACCN: NM_019561

ORF Size: 363 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

Ensa (NM_019561) Mouse Tagged ORF Clone - MR217826

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 019561.2</u>, <u>NP 062507.1</u>

 RefSeq Size:
 1192 bp

 RefSeq ORF:
 366 bp

 Locus ID:
 56205

 UniProt ID:
 P60840

 Cytogenetics:
 3 F2.1

 MW:
 13.8 kDa

Gene Summary: Protein phosphatase inhibitor that specifically inhibits protein phosphatase 2A (PP2A) during

mitosis. When phosphorylated at Ser-67 during mitosis, specifically interacts with PPP2R2D (PR55-delta) and inhibits its activity, leading to inactivation of PP2A, an essential condition to

keep cyclin-B1-CDK1 activity high during M phase. Also acts as a stimulator of insulin

secretion by interacting with sulfonylurea receptor (ABCC8), thereby preventing sulfonylurea

from binding to its receptor and reducing K(ATP) channel currents (By similarity).

[UniProtKB/Swiss-Prot Function]