

## Product datasheet for **MC210028**

### Ensa (NM\_019561) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ensa (NM\_019561) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ensa  
**Synonyms:** 1700020C18Rik; 2610007F17Rik; AI451924  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC210028 representing NM\_019561  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTCCCAGAAACAAGAAGAAGAAAACCTGCGGAGGAGACCGGCGAGGAGAAGCAGGATACACAGGAGA  
AAGAAGGGATTCTCCCTGAGAAAGCTGAGGAGGCAAAGCTAAAGGCCAAATATCCAAGCCTAGGACAAAA  
GCCTGGAGGCTCCGACTTCCTCATGAAGAGACTCCAGAAAGGGCAAAGTACTTTGACTCAGGAGACTAC  
AACATGGCCAAAGCCAAGATGAAGAACAAGCAGCTGCCAAGTGCAGGAGCAGACAAGAACCTGGTGACCG  
GTGACCACATCCCCACCCACAGGACCTGCCCCAGAGAAAGTCTCGCTCGTCACCAGCAAGCTTGGCGG  
TGGCCAAGTTGAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_019561

**Insert Size:** 366 bp

**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).

**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).



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**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\\_019561.2](#), [NP\\_062507.1](#)

**RefSeq Size:** 1192 bp

**RefSeq ORF:** 366 bp

**Locus ID:** 56205

**UniProt ID:** [P60840](#)

**Cytogenetics:** 3 F2.1

**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]