

Product datasheet for MC207516

Ensa (NM_001026212) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ensa (NM_001026212) 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: >MC207516 representing NM_001026212
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCCAGAAACAAGAAGAAGAAAACCTGCGGAGGAGACCGGCGAGGAGAAGCAGGATACACAGGAGA
 AAGAAGGGATTCTCCCTGAGAAAGCTGAGGAGGCAAAGCTAAAGGCCAAATATCCAAGCCTAGGACAAAA
 GCCTGGAGGCTCCGACTTCCTCATGAAGAGACTCCAGAAAGGGCAAAGTACTTTGACTCAGGAGACTAC
 AACATGGCCAAAGCCAAGATGAAGAACAAGCAGCTGCCAAGTGCAGGAGCAGACAAGAACCTGGTGACCG
 GTGACCACATCCCCACCCACAGGACCTGCCCCAGAGAAAGTCTCGCTCGTCACCAGCAAGCTTGGCGG
 GTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001026212
Insert Size: 354 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_001026212.1](#), [NP_001021383.1](#)

RefSeq Size: 2276 bp

RefSeq ORF: 354 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]