

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; AI451924
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR217826 representing NM_019561
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

**ATGTCCCAGAAACAAGAAGAAGAAAACCTGCGGAGGAGACCGGCGAGGAGAAGCAGGATACACAGGAGA
AAGAAGGGATTCTCCCTGAGAAAGCTGAGGAGGCAAAGCTAAAGGCCAAATATCCAAGCCTAGGACAAAA
GCCTGGAGGCTCCGACTTCTCATGAAGAGACTCCAGAAAGGGCAAAGTACTTTGACTCAGGAGACTAC
AACATGGCCAAAGCCAAGATGAAGAACAAGCAGCTGCCAAGTGCAGGAGCAGACAAGAACCTGGTGACCG
GTGACCACATCCCCACCCACAGGACCTGCCCCAGAGAAAGTCTCGCTCGTCCAGCAAGCTTGCGGG
TGGCCAAGTTGAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR217826 representing NM_019561
Red=Cloning site Green=Tags(s)

MSQKQEEENPAEETGEEKQDTQEKEGILPEKAEAKLKAKYPSLGQKPGGSDFLMKRLQKQKYFDSDY
NMAKAKMKNKQLPSAGADKNLVTGDHIPTQDLPQRKSSLVTSKLAGGQVE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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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:	<ol style="list-style-type: none">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
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 sulfonyleurea receptor (ABCC8), thereby preventing sulfonyleurea from binding to its receptor and reducing K(ATP) channel currents (By similarity). [UniProtKB/Swiss-Prot Function]