

## Product datasheet for **RN200331**

### Ensa (NM\_001033974) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ensa (NM_001033974) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ensa
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN200331 representing NM_001033974 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGTCCAGAAACAAGAAGAAGAAAACCTGCGGAGGAAACCGGCGAGGAGAAGCAGGATACACAGGAGA  
AAGAAGGTATTCTTCTGAGAAAGCTGAGGAAGCAAAGCTAAAGGCCAAATATCCAAGCCTAGGACAAAA  
GCCTGGAGGCTCCGACTTCCTCATGAAGAGACTCCAGAAAGGGCAAAGTACTTTGACTCAGGAGACTAC  
AACATGGCCAAAGCCAAGATGAAGAACAAGCAGCTACCGAGTGCAGGAGCAGACAAGAACCCTGGTGACCG  
GTGACCACATCCCCACCCACAGGACCTGCCCCAGAGAAAGTCTCGCTCGTACCAGCAAGCTTGC  
GTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001033974
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\\_001033974.2](#), [NP\\_001029146.1](#)

**RefSeq Size:** 2296 bp

**RefSeq ORF:** 354 bp

**Locus ID:** 60334

**UniProt ID:** [P60841](#)

**Cytogenetics:** 2q34

**Gene Summary:** may mediate insulin secretion through interaction with the pancreatic beta-cell ATP-sensitive potassium (K(ATP)) channel [RGD, Feb 2006]

Transcript Variant: This variant (1) represents the longer transcript and encodes isoform 1.

Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.