

Product datasheet for **RR200330**

Ensa (NM_021842) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ensa (NM_021842) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ensa
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200330 representing NM_021842
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCAGAAACAAGAAGAAAACCTGCGGAGGAAACCGCGAGGAGAAGCAGGATACACAGGAGA
 AAGAAGGTATTCTTCTGAGAAAGCTGAGGAAGCAAAGCTAAAGGCCAAATATCCAAGCCTAGGACAAAA
 GCCTGGAGGCTCCGACTTCCTCATGAAGAGACTCCAGAAAGGGCAAAGTACTTTGACTCAGGAGACTAC
 AACATGGCCAAAGCCAAGATGAAGAACAAGCAGCTACCGAGTGCAGGAGCAGACAAGAACCTGGTGACCG
 GTGACCACATCCCCACCCACAGGACCTGCCCCAGAGAAAGTCTCGCTCGTACCAGCAAGCTTGGGG
 TGGCCAAGTTGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200330 representing NM_021842
 Red=Cloning site Green=Tags(s)

MSQKQEEENPAEETGEEKQDTQEKEGILPEKAEAKLKAKYPSLGQKPGGSDFLMKRLQKQKYFDSDGY
 NMAKAKMKNKQLPSAGADKNLVTGDHIPTQDLPQRKSSLVTSKLAGGQVE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



[View online »](#)

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_021842.3 , NP_068614.1
RefSeq Size:	1186 bp
RefSeq ORF:	366 bp
Locus ID:	60334
UniProt ID:	P60841
Cytogenetics:	2q34
MW:	13.3 kDa
Gene Summary:	may mediate insulin secretion through interaction with the pancreatic beta-cell ATP-sensitive potassium (K(ATP)) channel [RGD, Feb 2006]