

## Product datasheet for **SC209365**

### ENSA (NM\_207042) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	ENSA (NM_207042) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ENSA
Synonyms:	ARPP-19e
ACCN:	NM_207042
Insert Size:	1628 bp



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**Insert Sequence:** >SC209365 3'UTR clone of NM\_207042  
The sequence shown below is from the reference sequence of NM\_207042. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGCAAGCTTGCGGGTGGCCAAGTTGAAATGATGCTGCCCGGGGCTCTGCCAGATCCTGAGACGCTTCCCC
TCCTGCCACCCGGGTCTGTGCTGGCTCCTGCCCTTCTGTCTTTTGCAGCCAGGGGTGAGGAGGT
GGCTCGGGTGTGGGCTGGAGAGGCAGAAGCCCTTCTGTTGGTGTCCAGCACATGGAGCCCTTGGG
CTGAGCACCAAGACCTTGAACCTTTTTTGTTCCTTTTTTCAAATAACAGTTGGGAGAAATATCAA
TGAAATCTGGGGTGGGGTGGGGTGAAGGGTGGGGTGGGAGATATGGAGGAGTATGAATTAGGGC
TTGGAGTTGGTAAAAACATTCTGACTATCCTTCTTAACACGTGGCTGATGTGGGTAGGTATGAGGG
GAAGGAAGTGGAGTAGCCTAATGAAAAGGGTCTAGTTGAGCTCTGTAGATAAATGCCTTGTTCAGT
GTGGTTGGAGACCTGGTGTGAGATAAAAGAACTCCATCCGCACAGACAGATGCAAACAGCTCCTCTAG
TTCTGCAGAGCTAGTTGAGAACTCAACATTAATCATTTTTAAAAAGTACTGTCTTGAATAGATTGCT
GTGGGAAGAAGGGCAGTGAAGTGTGGGAGAAAGGAGCCGTGAGCGTGGGGAACCCACAGAGCCAAAGG
ACTTTTTAGTATTGAAATAAACAAAAACAAACCCATGAAAAACCCAGAAATATTCTGAAG
CAGTTGGTGTGTTTTATTGGGGTTGGGAGGGGAAGAAAACAATACTGAAGACATTGTTAATGTGAGA
TGCGGCTGAGTCCCAATACCATCACTTAGGAAAGGGAGCAGGAATGTTGGCATAAACCTTGCCATC
CCTTTGTTCTGTAAACCAATGTAGAAGTGCATCAACCTCAGTTTGTGGCTCACAAAATGAGGCATTTA
AGATATTTGATCTAAATGGTTTCTTGACACCTAAGCCTAGTCCAGTTTAGCAGAAAAGGAGGCCAGT
CTCCTTTCCCTCTGTCTTCCATTCCTTTCAAGTTCCCATGTTTGTGAGGGAGAAATGTGACAAACCA
AAAGAAATATATTATTTCTTTGTAATAAGCCAAAAGAACTCAAGTCTTTCTGCTGGTGGCCAGCAGGA
GGCAGAGTGATTTCTTCTCATGATGTGCCAATCTGCATTGCTGGAACCTGCTACTGAAAGAAGTTA
AAAGCTGCCTGTGAATGTAACTGACAAAAGAAAGTTACCAAAGGAGAAAAAACTCCAGCGGGTGTACG
GTGGCTCACGCCTATAATTCCAGCACTTTGGGAGGCCAAGGTGGGTGGATCACTTGAAGTCAAGGTTT
GAGACCAGCCTAGCCAACATGGTGAACCCCATCTCTACTAAAAATACAAAAATTAGCCGGGCGTGGCG
GCATATGCCTATAATCCCACTTACTTGGGAGGCTGAGGTAGGAGAATCGTTGAACCCAGGAGGCAGAG
TTTGAGTGAGCCGAGATTGTGCCATTGCACTCCAGCCTGGGCGACAGAGCGAGACTCCATCTAAAAAA
AATAAATGAATAAAATAAAACAAGTACAATTTAACTAGA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_207042.2](#)

**Summary:**

The protein encoded by this gene belongs to a highly conserved cAMP-regulated phosphoprotein (ARPP) family. This protein was identified as an endogenous ligand for the sulfonylurea receptor, ABCC8/SUR1. ABCC8 is the regulatory subunit of the ATP-sensitive potassium (KATP) channel, which is located on the plasma membrane of pancreatic beta cells and plays a key role in the control of insulin release from pancreatic beta cells. This protein is thought to be an endogenous regulator of KATP channels. In vitro studies have demonstrated that this protein modulates insulin secretion through the interaction with KATP channel, and this gene has been proposed as a candidate gene for type 2 diabetes. At least eight alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]

**Locus ID:**

2029

**MW:**

60.8