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Product datasheet for SC209367

ENSA (NM_004436) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ENSA (NM_004436) Human 3' UTR Clone
Symbol:	ENSA
Synonyms:	ARPP-19e
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004436
Insert Size:	749 bp
Insert Sequence:	>SC209367 3'UTR clone of NM_004436 The sequence shown below is from the reference sequence of NM_004436. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AGCAAGCTTGCGGGTGGCCAAGTTGAATGATGCTGCCCGGGGCTCTGCCAGATCCTGAGACGCTTCCCC TCCCTGCCCCACCCGGGTCCTGTGCTGGCTCCTGCCCCTTCCTGCTTTTGCAGCCAGGGGTCAGGAGGT GGCTCGGGTGTGGGCTGGAGAGGCAGAAGCCCTTTCCTGTTGGTGTCCCAGCACATGGAGCCCCTTGGG CTGAGCACCAAGACCTTGAACCTTTTTTGTTTTACCTTTTTTCCAAATAACAGTTGGGAGAAATATCAA TGAAATTCTGGGGGTGGGGGTGGGGTTGAAAGGGTGGGGTGGGAGATATGGAGGAGTATGAATTAGGGC TTGGAGTTGGTAAAAACATTCCTGACTATCCTTCTTAACCACGTGGCTGATGTGGGGTAGGTATGAGGG GAAGGAAGTGGAGTAGCCTAATGAAAAGGGGTTCTAGTTGAGCTCTGTAGATAAATGCCTTGTTTCAGT GTGGTTGGAGACCTGGTGTCAGATAAAAGAAACTCCATCCGCACAGACAGATGCAAACAGCTCCTCTAG TTCTGCAGAGCTAGTTGAGAACTCAACATTAATCATTTTAAAAAGTACTGTCCTTGAAATAGATTTGCT GTGGGAAGAAGGGCAGTGAGTGTGGGAGAAAGGAGCCGTGAGCGTGGGGAACCCCACAGAGCCCAAAGG ACTTTTTCAGTATTCGAAATAAACAAAACAAAAACCCATGAAAAAACCCAACCCAGAAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
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).

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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_004436.4
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:	27.5