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Product datasheet for SC204048

COASY (NM_001042531) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	COASY (NM_001042531) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	COASY
Synonyms:	DPCK; FLJ35179; NBP; pOV-2; PPAT; UKR1
ACCN:	NM_001042531
Insert Size:	339 bp
Insert Sequence:	>SC204048 3'UTR clone of NM_001042531 The sequence shown below is from the reference sequence of NM_001042531. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC ATTCCCAAGACTCATCAGGCCCTCGACTGAAAAGTTCTCAGTGGGGCCAGACTGGCTCCTGGAGCTGAC AAGCGACCCCGTGGTGAGGAGAAATGGGGGCCTTGATGCTCACCCTGGTTCAGGCCCAGAGGTCCAAGC TATACTGTGCAGGACATGGCCAGGCCTGGTGGACACAGGAAGCCTACCCAACACGCTGGTATTTGGCCA ACACTGAGGATGTGGTTCATGGGGGAGCAGTCCCCTCCCCACTCTTGCCCATGGGTGACTCTTACCCAC AGCTGACTAGGGCCAGCGCAAATACTGGAACCTGTAACAGAATTAAAGGTGAATGTTCTGAGA 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).
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_001042531.1

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Summary: Coenzyme A (CoA) functions as a carrier of acetyl and acyl groups in cells and thus plays an important role in numerous synthetic and degradative metabolic pathways in all organisms. In eukaryotes, CoA and its derivatives are also involved in membrane trafficking and signal transduction. This gene encodes the bifunctional protein coenzyme A synthase (CoAsy) which carries out the last two steps in the biosynthesis of CoA from pantothenic acid (vitamin B5). The phosphopantetheine adenylyltransferase domain of this bifunctional protein catalyzes the conversion of 4'-phosphopantetheine into dephospho-coenzyme A (dpCoA) while its dephospho-CoA kinase domain completes the final step by phosphorylating dpCoA to form CoA. Mutations in this gene are associated with neurodegeneration with brain iron accumulation (NBIA). Alternative splicing results in multiple isoforms. [provided by RefSeq, Apr 2014]

Locus ID: 80347

MW: 12.7