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Product datasheet for SC205472

PRODH (NM_016335) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PRODH (NM_016335) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PRODH
Synonyms:	HSPOX2; PIG6; POX; PRODH1; PRODH2; TP53I6
ACCN:	NM_016335
Insert Size:	424 bp
Insert Sequence:	>SC205472 3'UTR clone of NM_016335 The sequence shown below is from the reference sequence of NM_016335. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC ACTGGCAACCTCTTCCATCGCCCTGCCTAGCACCCGCCAGCACACCCTTAGCCTCCAGCACCCCCCGCC CCCGCCCAGGCCATCACCACAGCTGCAGCCAACCCCATCCTCACACAGATTCACCTTTTTTCACCCCAC ACTTGCAGAGCTGCTGGAGGTGAGGTCAGGTGCCTCCCAGCCCTGCCCAGAGTATGGGCACTCAGGTGT GGGCCGAACCTGATACCTGCCTGGGACAGCCACTGGAAACTTTTGGGAACTCTCCTCGAATGTGTGGGC CCAAGGCCCCCACCTCTGTGACCCCCATGTCCTTGGACCTAGAGGATTGTCCACCTTCTGCCAAGGCCA GCCCACACAGCCCGAGCCCCTTGGGGAGCAGTGGCCGGGCTGGGGAGGCCTGCCTGGTCAATAAACCAC TGTTCCTGCA 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_016335.6

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Summary:	This gene encodes a mitochondrial protein that catalyzes the first step in proline degradation. Mutations in this gene are associated with hyperprolinemia type 1 and susceptibility to schizophrenia 4 (SCZD4). This gene is located on chromosome 22q11.21, a region which has also been associated with the contiguous gene deletion syndromes, DiGeorge and CATCH22. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2010]
Locus ID:	5625
MW:	15.1