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Product datasheet for SC200296

IMPDH2 (NM_000884) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	IMPDH2 (NM_000884) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	IMPDH2
Synonyms:	IMPD2; IMPDH-II
ACCN:	NM_000884
Insert Size:	88 bp
Insert Sequence:	>SC200296 3'UTR clone of NM_000884 The sequence shown below is from the reference sequence of NM_000884. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CTCCATTCGTATGAGAAGCGGCTTTTCTGAAAAGGGATCCAGCACACCTCCTCGGTTTTTTTTTCAATA AAAGTTTAGAAAGAAAAAA 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_000884.3

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Summary:	This gene encodes the rate-limiting enzyme in the de novo guanine nucleotide biosynthesis. It is thus involved in maintaining cellular guanine deoxy- and ribonucleotide pools needed for DNA and RNA synthesis. The encoded protein catalyzes the NAD-dependent oxidation of inosine-5'-monophosphate into xanthine-5'-monophosphate, which is then converted into guanosine-5'-monophosphate. This gene is up-regulated in some neoplasms, suggesting it may play a role in malignant transformation. [provided by RefSeq, Jul 2008]
Locus ID:	3615
MW:	3.5