

## Product datasheet for **SC203204**

### NUDT2 (NM\_147172) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	NUDT2 (NM_147172) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	NUDT2
Synonyms:	APAH1
ACCN:	NM_147172
Insert Size:	289 bp
Insert Sequence:	>SC203204 3'UTR clone of NM_147172 The sequence shown below is from the reference sequence of NM_147172. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CACCAGTTTCTTTGCTCCATAGAGGCC <b>TGA</b> GCTGACTGGAGCAGAGTCATTTGCTTCAGCAGGATCCTT GTGGGCCCTTCTAAGATGAAGCCACCCTCAGGTCCAGGGAAGTTGTGCTGGTATTTGGCTCATGACAGC CAAGAGCAGATTTGTGAAATCGGCTCAACTCCCAGGTGAGAGCAAGCAAAAATCTTGCTGGGTGGAAA GGAAGGCAAAAAGAGTAAAAATAAAAAGGCCAGGCCAGTAAGTGTACCTTGTACTTTATAATAAACCC TCAAGCAGCTCAA <b>ACGCGT</b> AAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-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:	<u><a href="#">NM_147172.3</a></u>



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**Summary:**

This gene encodes a member of the MutT family of nucleotide pyrophosphatases, a subset of the larger NUDIX hydrolase family. The gene product possesses a modification of the MutT sequence motif found in certain nucleotide pyrophosphatases. The enzyme asymmetrically hydrolyzes Ap4A to yield AMP and ATP and is responsible for maintaining the intracellular level of the dinucleotide Ap4A, the function of which has yet to be established. This gene may be a candidate tumor suppressor gene. Alternative splicing has been observed at this locus and four transcript variants, all encoding the same protein, have been identified. [provided by RefSeq, Sep 2011]

**Locus ID:** 318

**MW:** 10.9