

## Product datasheet for **RC219598L4V**

### NUDT2 (NM\_147173) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	NUDT2 (NM_147173) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NUDT2
Synonyms:	APAH1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_147173
ORF Size:	441 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219598).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_147173.2</a>
RefSeq Size:	978 bp
RefSeq ORF:	444 bp
Locus ID:	318
UniProt ID:	<a href="#">P50583</a>
Cytogenetics:	9p13.3
Domains:	NUDIX
Protein Pathways:	Purine metabolism, Pyrimidine metabolism



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**MW:** 17.3 kDa

**Gene 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]