

Product datasheet for SC330210

NUDT2 (NM_001244390) Human Untagged Clone

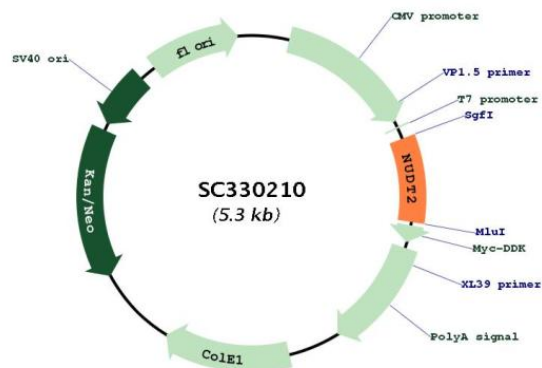
Product data:

Product Type:	Expression Plasmids
Product Name:	NUDT2 (NM_001244390) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUDT2
Synonyms:	APAH1
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330210 representing NM_001244390. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCCTTGAGAGCATGTGGCTTGATCATCTTCCGAAGATGCCTCATTCCCAAAGTGACAACAATGCA
ATTGAGTTTTACTGCTGCAGGCATCAGATGGCATTTCATCACTGGACTCCTCCAAAGGCCATGTGGAA
CCAGGAGAGGATGACTTGGAAACAGCCCTGAGGGAGACCCAAGAGGAAGCAGGCATAGAAGCAGGCCAG
CTGACCATTATTGAGGGTTCAAAGGGAACTCAATTATGTGGCCAGGAACAAGCCTAAAACAGTCATT
TACTGGCTGGCGGAGGTGAAGGACTATGACGTGGAGATCCGCCTCTCCATGAGCACCAAGCCTACCGC
TGCTGGGGCTGGAGAGGCCTGCCAGTTGGCTCAGTTCAAGGAGATGAAGGCAGCGCTCCAAGAAGGA
CACCAGTTTCTTTGCTCCATAGAGGCC
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Restriction Sites: SgfI-MluI

Plasmid Map:



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ACCN:	NM_001244390
Insert Size:	444 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001244390.1
RefSeq Size:	843 bp
RefSeq ORF:	444 bp
Locus ID:	318
UniProt ID:	P50583
Cytogenetics:	9p13.3
Protein Pathways:	Purine metabolism, Pyrimidine metabolism
MW:	16.8 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) lacks two alternate 5' UTR exons compared to variant 1. All four variants encode the same protein.</p>