

## Product datasheet for **SC201372**

### **NUDT5 (NM\_014142) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	NUDT5 (NM_014142) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	NUDT5
Synonyms:	hNUDT5; YSA1; YSA1H; YSAH1
ACCN:	NM_014142
Insert Size:	2000 bp



[View online »](#)

**Insert Sequence:**

>SC201372 3'UTR clone of NM\_014142

The sequence shown below is from the reference sequence of NM\_014142. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCATTTGAAGTGCCCTTCTTGAATTTTAAAGCCCAAATATGACACTGGCCATTTTGTAAACGAGACCA
CCAGGCCTTCTTCACTAAGACTTTGTATTCAACTTAGTTAATGTAGATTTGCCATTAGCTTTTTCGTA
AAATAAAAGCACAGAACAGATGTGGTGGTGGTATGGAATTGTAATTACAGGTAGTTGTGACCTTCCTT
TAAATTTGTTATAACTCCAGCTAAAATTAACAAAGAATATAAATGCAAGTATGTTTACTCCAATTTTTT
TAAAGCTCAACAGCAGTTAACTACAGCTCAGTTACTTTTCTAGTCCAGTCTGGTAGACAGGGGATTTTG
TATAGAGAAATAGACCTGAGTTCTCAATTAGGTCATTTCCACTCTCAACCCCAATATAAAATTCTAAG
CTGGGTATGCAAATAACCATGACTCCGTTAGTGTAAAACAGCGTTAAAAAGAAAAAAGGCTTTT
TGGCCTCTTCAATTGAATTTTTACTATGCAAAATTTATCTAGGGTAGTTGAATCCAAGTGGTAGGG
TTGATAGAAATCCTCTACTAGTTTTTCTAGTTTCATCTATTTACTGAGGCTGAACCAGCTTTTAAAGTAAGGA
AAACGGTTGACTCCATTCACACCAAGGCTAGGAGACTAATGAAAATTCAGGTCCATCCCGCAAGCA
TCTGCACGTGCTTGGAGTCTCTTTTCTTACCTCAAAGAGTACTTGAAGTTTCTGAAAACAAA
TCTGTAAGACTGACATGTTTGGGCGAGTAAATCTTGTAGTTAAACCATGAACAGAACGACGAAGATCA
GCCAGTACCTGAAACCAATACAGAGTAGTTTACAGCAAGAAGTACAGATTGATCTGGTCCCATGCCT
GAAACCTGTCTAGCAGTTTACCAGTGTCTGGGCCATTTTCTTACTGTTTCTGAGTGAGTTTAG
CTCTTTTTGTGTTGACTTTTAGGGCCTCCAGCAGCTCCATGATTTTCCAGGACTTCCAGTCTGGCCCC
CACGGAATTCAGGATGATTCTCATCCAGCCCTAAGTCATGTTTCTAGCCTGGTCCAGCGGGTAAGC
CAGGCCCTGAGAACCATATGAAAAGGCTCTCCAGATAAAATCAGAGTGCTAATGCCAGAATGCTGCAGT
AGCCTCCGTTTGTCCACAGGCTCACTGTCTGAGCCAGGATATTTTTATGAGTGAAGTGTAAAGTCTT
TACACTGGACTTCTAAAGATAAAAACAATTATGGAAATACAGAAGTACAGATGAAGTGTCTAGCCC
TATACATGTGAAAATTAAGATCCAAGTCTTCTGTAATGGTAGCCTTCCCTATGCCTCTAACCTTTT
TTAAATCCTGATTTCAATCACAGGCATTGTGATTCTCAAAGCTCTAACTTCTCCTTAGGTCTGAAAG
CCACATGTATCAATCATTGAAATCAAGAGAGAAGGCATCCGTAGACGGGCGCAGCCAGTCTTTCCAC
ATAGCCAGTTTCTCCAGCCACTCCCATGGGAATGACCTCTGCAGCTGACCTAAGCTTATCCTCTC
CTTCTTCTAAGAGTGCAACTTAGAAGTACAGGCAAAATCCTAGAATGTATCCCTAAATGCCATTTCTA
TTTTTATAAACATGAAAAGTTGTGCTTTGGAATTCAGTCTGTTTGAAGTGGCAGTCTGGCTGGC
ACTGTTTAAAAATGTTTATTTGGCCTGCATTTAAAAACTGAAGGTTTCTATGTATTAAGCCATATT
TCCACCTTCTAAGGGAAAAAATCGGACGTCATAACTGGGTGGATGTTTTTATGGTAACAGTGG
TCTGAGGCCCTTGGCGGATGCTCACCGAGCCACTGTCACATATCCTGCCTGCCTTTATCTGCCTTGCCT
GCGATTATTTGGCTTTGTAAGCATAAGCTACGTAAGACATACCACACCTAAGAACTAAACAGCAATG
ACGCGTAAAGCGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
    
```

**Restriction Sites:**

Sgfl-Mlul

**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\\_014142.4](#)

**Summary:**

This gene belongs to the Nudix (nucleoside diphosphate linked moiety X) hydrolase superfamily. The encoded enzyme catalyzes the hydrolysis of modified nucleoside diphosphates, including ADP-ribose (ADPR) and 8-oxoGua-containing 8-oxo-dADP and 8-oxo-dGDP. Protein-bound ADP ribose can be hazardous to the cell because it can modify some amino acid residues, resulting in the inhibition of ATP-activated potassium channels. 8-oxoGua is an oxidized form of guanine that can potentially alter genetic information by pairing with adenine and cytosine in RNA. Presence of 8-oxoGua in RNA results in formation of abnormal proteins due to translational errors. [provided by RefSeq, Aug 2013]

**Locus ID:**

11164

**MW:**

75.8