

Product datasheet for SC126626

NUDT14 (NM_177533) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUDT14 (NM_177533) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUDT14
Synonyms:	UGPP; UGPPase
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126626 sequence for NM_177533 edited (data generated by NextGen Sequencing) ATGGAGCGCATCGAGGGGCGTCCGTGGGCCGCTGCGCCGCTCACCTACCTGCGGCCG CTCACGCTGCATTACCGCCAGAATGGTGCCAGAAGTCCTGGGACTTCATGAAGACGCAT GACAGCGTGACCGTTCTTATTCAACTCTTCTCGGAGGAGCCTGGTGTGGTGAAGCAG TTCCGGCCAGCTGTGTATGCGGGTGAGGTGGAGCGCCGCTCCAGGGTCCCTAGCAGCT GTAGACCAGGACGGGCTCGGGAGCTACAGCCAGCCCTGCCGGCTCAGCGGGGTGACA GTTGAGCTGTGTCCGGCCTCGTGGACCAGCCTGGGCTCTCGCTGGAGGAAGTGGCTTGC AAGGAGGCTTGGGAGGAGTGTGGCTACCACTTGGCCCCCTCTGATCTGCGCCGGTTCGCC ACATACTGGTCTGGAGTGGGACTGACTGGCTCCAGACAGACCATGTTCTACACAGAGGTG ACAGATGCCAGCGTAGCGGTCCAGGTGGGGGCTGGTGGAGGAGGTGAGCTCATTGAG GTGGTGCACCTGCCCTGGAAGGCGCCAGGCCTTTCAGACGACCCGGACATCCCCAAG ACCCTCGGCGTCATCTTTGGTGTCTCATGGTTCCTCAGCCAGGTGGCCCCAACCTGGAT CTCCAGTGA Clone variation with respect to NM_177533.3


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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_177533 unedited
 TTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTCACGCGCCCGCC
 CGAAGCTCCTGTCTGGGACAGGGCGCCCGCCCGTGTCTGGCCCCCGCAGAGCTCGCGCCCC
 CGCCTGTCCGGGCGCCGCGCATGGAGCGCATCGAGGGGGCGTCCGTGGGCCGCTGCGCCG
 CTCACCTACCTGCGGCCGCTCACGCTGCATTACCGCCAGAATGGTGCCCAAGAAGTCCTG
 GGAGTTTCATGAAGACGCATGACAGCGTGACCGTTCTCTTATTCAACTCTTCTCGGAGGAG
 CCTGGTGTGGTGAAGCAGTTCGGGCCAGCTGTGTATGCGGGTGAGGTGGAGCGCCGCTT
 CCCAGGGTCCCTAGCAGCTGTAGACCAGGACGGGCCTCGGGAGCTACAGCCAGCCCTGCC
 CGGCTCAGCGGGGTGACAGTTGAGCTGTGTGCCGGCCTCGTGGACCAGCCTGGGCTCTC
 GCTGGAGGAAGTGGCTTGCAAGGAGGCTTGGGAGGAGTGTGGCTACCACTTGGCCCCCTC
 TGATCTGCGCCGGGTGCGCACATACTGGTCTGGAGTGGGACTGACTGGCTCCAGACAGAC
 CATGTTCTACACAGAGGTGACAGATGCCAGCGTAGCGGTCCAGGTGGGGGCTGGTGGG
 GGAGGGTGAGCTCATTGAGGTGGTGACCTGCCCTGGAAGGCGCCAGGCCTTTGCAGA
 CGACCCGACATCCCAAGACCCTCGGCGTCATCTTTGGTGTCTCATGGTTCCTCAGCCA
 GGTGGCCCCCAACCTGGATCTNCATGAGACTNCCAGGGTCTAGACAGAGCCAGTCTGGC
 CACTACCCACACCCCGCGGACCCATAAAGGCTGCA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_177533 unedited
 TACTCTATGNACCGCGCCGAATCTANGATCAGTTTTTTTTTTTTTTTTTTTGGAGCTATG
 CAAGCCTTTATTGGGGTCCGCGGGGTGTGGGTGAGTGGCCAAGACTGGCCTCTGTCTAG
 AACCTGGAGTCTCACTGGAGATCCAGGTGGGGGCCACCTGGCTGAGGAACCATGAGAC
 ACCAAAGATGACGCCGAGGGTCTTGGGGATGTCCGGGTCTGTGAAAGGCTGGGCGCC
 TTCCAGGGGCGAGTGCACCACTCAATGAGCTCACCTCTCCACAGGCCCCCACCTGG
 ACCGCTACGCTGGGCATCTGTACCTCTGTGTAGAACATGGTCTGTCTGGAGCCAGTCAG
 TCCCACTCCAGACCAGTATGTGGCGACCCGCGCAGATCAGAGGGGGCCAAAGTGGTAGCC
 ACACTCTCCCAAGCCTCCTTGCAAGCCACTTCTCCAGCGAGAGCCAGGCTGGTCCAC
 GAGGCCGCGACACAGCTCAACTGTACCCCCGCTGAGCCGGGCGAGGGTGGCTGTAGCTC
 CCGAGGCCCGTCTGGTCTACAGCTGTAGGGACCCTGGGAAGCGGCGCTCCACCTCACC
 CGCATACACAGCTGGCCGGAAGTCTTACCAACACCAGGCTCCTCCGAGGAGAGTTGAA
 ATAGAGAACGGTCACGCTGTATGCGTCTTCATGAAGTCCCAGGACTTCTGGGCACCAT
 CTGGCGGTAATGCANCGTGAGCGGCCCAAGTAGGGTGAGGCGGGCGCANCGCCACCGA
 CGCCCCCTCGATGCGCTCCATGNCGCGCCNGACAGGCGGGGGCGCGAGCTCTGGCGG
 GGCCGACACGGGGCGGCGCCCTGTCCCGACAGGAGCCTTCGGGCGGGCGCGTGAACCTTG
 TGGCGAATTGCGGCGCGCTATAATGAC

Restriction Sites:

NotI-NotI

ACCN:

NM_177533

Insert Size:

700 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:

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_177533.2](#), [NP_803877.2](#)

RefSeq Size: 840 bp

RefSeq ORF: 669 bp

Locus ID: 256281

UniProt ID: [O95848](#)

Cytogenetics: 14q32.33

Gene Summary: The protein encoded by this gene is a member of the Nudix hydrolase family. Nudix hydrolases eliminate potentially toxic nucleotide metabolites from the cell and regulate the concentrations and availability of many different nucleotide substrates, cofactors, and signaling molecules. This enzyme contains a Nudix hydrolase domain and is a UDPG pyrophosphatase that hydrolyzes UDPG to produce glucose 1-phosphate and UMP. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2016]
Transcript Variant: This variant (1) encodes the longer isoform (1).