

Product datasheet for **SC320783**

NUDT4 (NM_019094) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUDT4 (NM_019094) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUDT4
Synonyms:	DIPP-2B; DIPP2; DIPP2alpha; DIPP2beta; HDCMB47P; NUDT4B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_019094.4

```

GTCCCCCGCCGTCGGAGCGGCCCGGCCCGGGACTGACCGGCCTCGCCGCACCTCCC
GCACCGACTAGCGCTCCCGGGCGCTCCTGCGCCGACTCGCCCTCGCCCCACTCCCCGG
CGGGGTGGCGGGCGGCCGGCCCCACGGCGGGCGGCCGGAGCAGCAGCAGCAGCAGGA
GCCCCGCTCTATGATGAAGTTCAAGCCCAACCAGACGCGGACCTACGACCGCGAGGGCTT
CAAGAAGCGGGCGGCGTGCCTGTGCTTCCGGAGCGAGCAGGAGGACGAGGTGCTGCTGGT
GAGTAGCAGCCGGTACCCAGACCAAGTGGATTGTCCAGGAGGAGGAATGGAACCCGAGGA
GGAACCTGGCGGTGCTGCCGTGAGGGAAGTTTATGAGGAGGCTGGAGTCAAAGGAAACT
AGGCAGACTTCTGGGCATATTTGAGCAGAACCAAGACCGAAAGCAGACACATATGTTTA
TGTTCTAACAGTCACTGAAATATTAGAAGATTGGGAAGATTCTGTTAATATTGGAAGGAA
GAGAGAGTGGTTCAAAGTAGAAGATGCTATCAAAGTTCTCCAGTGTCAAAACCTGTACA
TGCAAGATATCTGAAAAGCTAAAGCTGGGTGTTCCCCAGCCAATGGAAATTCTACAGT
CCCTTCCCTTCCGGATAATAATGCCTTGTTGTAAACCGCTGCACAGACCTCTGGGTGGC
ATCTAGTGAAGATAGAGAGAACTGGGTAGGCCTCTCCACCATGTGCAGTCTCATGGGG
AGAGGCTTCTTTCGTTTCTCGTCAAAACATCTGATTGACGCTTGCAAACCTGTCTGAATTT
GCCATGCAAGTTTTCAAACAATTTGCATGTTTTTCAGATGCTTTCAAATCTTTTTTAA
AAAAATAGTGTAATAATTTTTAATAAGCCAAAGCCATGTGGAATTTTTGTTTAGATGCCT
TAACTGTGCCACACCCCAACCCCTATATTATTTGGTTGTCTATTTCTCACAGCATA
TTTTTCAGTTTTTTGCCATTTGACATCAGTCTGTGGTTTTATTTTGTATCAGATTACTTG
TGGGTATACCTACCCCAAATTTGTTTTCTATTACAGCATTAGCATATTACAGCAATCC
ATCTGTGGTGGGAATTAATAATATTATTGGTATTAAGAAATCCATTACCCCAAAACTT
GTTTTACAGGATTACAATTTTAATTCAAATTTCCAGATTTGGGCTATTTCTGTATGATC
CAATAACTTATTTGTACAGGGCTTAATTTGCCATTTTGGGGATTTGTCGACTCATTT
TGCTGAATTTTCAACTGGTATTATGTCACTAGCTACCTGATACGGCTATTTCCCTTA
TAACTCAATAGTACCTTAACACAAAGTAACTCTGTAGAGTTGGTGAATTTTTAGGGA
AATATTAGCAAAATGCATGTAGTAAAGACATCTTATGAAAAGTATTTCATGGAATTGAT
TTAGCATGCTCAGTTGCCAGTTCCTATTATCGATACTCTTCTTTGCAGAATACCTTAGA
  
```


[View online »](#)

```

ACCGTTATTTCCCTCAGTGTAGATTGCTCTTAAATGTATTAGTTATTTAGTGGCCCC
ACAGGAGTGGAGTCTTGAATCTAATTCTAAATGCCAGTCAGTGATCGCATCACAGT
TGAGTGAAATGGCCTTCTGTTGAGTGTAGAGACTGAAGATTGTTAGGGCACCTTAGA
ATGTCTCATCTTTCTAGGTTGTCAACAGGTACTATTTGTCACATAACTAACTTCGAGG
CACTGGAACATACCTGAACATAAGAAATTAATCTTTACTTTATACTCACTTAAAAAACAAG
AATCCCATCTAAACACATAGGTACCTTATCTGAACTCTTGCACTTCCCAACCAGGGC
AGAAATGAGGTGGGAGAAGTTTGACTAAAATGAGGGATGGGGGAAAGTAAAGATGTTTT
TTTTTTTTTGAGACTCGCTTTGTACCCAGGCTGGAGTGCAATGGCACAATCTCAACTCA
CCGCAACCTCCGCTCCCGGTTCAAGCGATTCTCCTGCCTCAGCCTCCCGAGTAGTTGG
GATTACAGGCGCTGCCTCCATGCCTGGCTAATTTTGATTTTTAGTAGAGACAGGGTTT
CTTCATGTTGGTCAGGCTGGTCTCAAACTCCTAACCTCGTGATCCGCTGCCTCGACCTC
CCAAAGTGCTGGGATTACAGGCATGAGCCACCATGCCAGCCAAAGATCATTTTTTTATA
TAGACTTCAGCCCTTTGTAATATTGTAAGTGGGAGTATAGAGTAGAAAAAAGTATAG
TAAAAACATTTGTTCTACAAATTAACCTTTAAAAATATAATTACTGCTAAAAATAGAGTG
CTGTTACACTTAAGGAAAATTAGTGCCATTTTGGAATGAGATCTTGTGCCATAAATACA
GCTGAACCTGAATATAAATGTTTCAAAATTAATGCTGTCAAAGGAATGAGTAAAGCAGAAA
AACTTTTAACCAGCAACATTTCAAGTACGTAGTGTGATCAAACATGATCATCCAGAATTT
TTATATTTTTTTCTTTGTACAGAGGTTACATATTCTGGGTGTTCTTTATAAAGGAAACA
TTTTAAATCCCAAAATTGACACTTTCTATCTTCAATGGACTAAGATTTTTTTGGTCAGT
AATCTCTGAAATTTCTTAAATTATATACTTAACATAGCAGAGAACTGGATTGTTTTTG
TATATAAGACTGCTTCCACCTGAAATGCTGTCAAGTACTGGGGGGTGGGGGAGTGCC
CATCTTGTACATGATATTCTTAGAGGTAATAAGGTAATGATGCATGAATTTATTTATAA
ACTCTTGACTATGTATTTGACATGTAATAATGTACAGTATTAACGTCAACCATCTCTT
TAAAGTTAGCCTATAAATATTGTTGTATAATTTCTTTGGTCAGAAACACTTGGACTGAA
TAGTGACACTCGGTAAGGATTTTCAGTGCCATTTAGCAAAACGTCTTTAGTCTATGCAAC
TAGCAAAAATCTGCATAATGCAACAACACAGTTTTTCACTTCAAATTTTACATGAGGGG
TTCTTCACGATTCTCCTGGAACCCAGTCTAGCAAAATGAGAGGAAAGGCCCTAGGGAGAT
TTATTTCTGTTAAATAGTTAACTCTGCTGAGTATGACAAATAGTGTCTACTATCTCAACC
CTCCAAAATTTGCAGAGTGTGGGACTGTCATTTGTGATTTTTTTTTTTTTTTTTTTGGTGG
GGTAGTTGAATAAAATTTGGCAGCTAAATTTTTCAGTTCCATGTGCCTCCCAATAAAAA
ACAGAAAATAAGTAGTTTTTTGTGAATTGACTTGCAGACAAAGTAGAACTGTGCTGCATG
ATGTTATTTTGTAAACAGATGACATTTTCTGACCAGGCACATGCCATCCAATTTTCTGTC
AATCACACTGTTGTATAAAGCAGCAGAACTGAAGGGGAAAAATGATTGTTGTATACACTG
AATTGCTTTGCATGGTCTCATTTGAGATAATTGATGTAAGAATCCTGACTTTTTTATATT
TGGAAACATCAAAATAAAATGGAATAATGAAAAAAAAAAAAAAAAAAAAA

```

Restriction Sites:	Please inquire
ACCN:	NM_019094
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_019094.4, NP_061967.3</u>
RefSeq Size:	4810 bp
RefSeq ORF:	543 bp
Locus ID:	11163
UniProt ID:	<u>Q9NZJ9</u>
Cytogenetics:	12q22
Domains:	NUDIX
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene regulates the turnover of diphosphoinositol polyphosphates. The turnover of these high-energy diphosphoinositol polyphosphates represents a molecular switching activity with important regulatory consequences. Molecular switching by diphosphoinositol polyphosphates may contribute to regulating intracellular trafficking. Several alternatively spliced transcript variants have been described, but the full-length nature of some variants has not been determined. Isoforms DIPP2alpha and DIPP2beta are distinguishable from each other solely by DIPP2beta possessing one additional amino acid due to intron boundary skidding in alternate splicing. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) uses an alternate in-frame splice site in the 5' coding region, compared to variant 2. The encoded protein is the predominant isoform (alpha), and is shorter than isoform beta. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.