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Product datasheet for SC121252

NUDT4 (NM_199040) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUDT4 (NM_199040) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUDT4
Synonyms:	DIPP-2B; DIPP2; DIPP2alpha; DIPP2beta; HDCMB47P; NUDT4B
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_199040 edited ATGATGAAGTTCAAGCCCAACCAGACGCGGACCTACGACCGCGAGGGCTTCAAGAAGCGG GCGGCGTGCCTGTGCTTCCGGAGCGAGCAGGAGGACGAGGTGCTGCTGGTGAGTAGCAGC CGGTACCCAGACCAGTGGATTGTCCCAGGAGGAGGAATGGAACCCGAGGAGGAACCTGGC GGTGCTGCCGTGAGGGAAGTTTATGAGGAGGCTGGAGTCAAAGGAAAACTAGGCAGACTT CTGGGCATATTTGAGAACCAAGACCGAAAGCACAGAACATATGTTTATGTTCTAACAGTC ACTGAAATATTAGAAGATTGGGAAGATTCTGTTAATATTGGAAGGAAGAGAGAGTGGTTC AAAGTAGAAGATGCTATCAAAGTTCTCCAGTGTCATAAACCTGTACATGCAGAGTATCTG GAAAAGCTAAAGCTGGGTTGTTCCCCAGCCAATGGAAATTCTACAGTCCCTTCCCTTCCG GATAATAATGCCTTGTTTGTAACCGCTGCACAGACCTCTGGGTTGCCATCTAGTGTAAGA TAG

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_199040 unedited
CCAGGAATTTGTAATACGACTCACTATAGGGCGGCACGCGAATTCGCACCATCGCACCGA
CTAGCGCTCCCGGGCGCTCCTGCGCCCGACTCGCCCTCGCCCCCACTCCCCGGCGGGGTG
GCGGCGGCCGGGCCCCCACGGCGGCGGCCGGAGCAGCAGCAGCAGCAGGAGCCCGCC
TCTATGATGAAGTTCAAGCCCAACCAGACGCGGACCTACGACCGCGAGGGCTTCAAGAAG
CGGGCGGCGTGCCTGTGCTTCCGGAGCGAGCAGGAGGACGAGGTGCTGCTGGTGAGTAGC
AGCCGGTACCCAGACCAGTGGATTGTCCCAGGAGGAGGAATGGAACCCGAGGAGGAACCT
GGCGGTGCTGCCGTGAGGGAAGTTTATGAGGAGGCTGGAGTCAAAGGAAAACTAGGCAGA
CTTCTGGGCATATTTGAGAACCAAGACCGAAAGCACAGAACATATGTTTATGTTCTAACA
GTCACTGAAATATTAGAAGATTGGGAAGATTCTGTTAATATTGGAAGGAAGAGAGAGTGG
TTCAAAGTAGAAGATGCTATCAAAGTTCTCCAGTGTCATAAACCTGTACATGCAGAGTAT
CTGGAAAAGCTAAAGCTGGGTTGTTCCCCAGCCAATGGAAATTCTACAGTCCCTTCCCTT
CCGGATAATAATGCCTTGTTTGTAACCGCTGCACAGACCTCTGGGTTGCCATCTAGTGTA
AGATAGAGAGAACTGGGTAGGCCTCTCCACCATGTGCAGTCTCATGGAGAGAGGCTCCTT
TCGTTTCCTCGTCAAACTTCTGATAGACGCTTGCAAACTGTCTGAAATTGCCATGCAAGT
TTTCAAACATTTGCATGTTTTTAGATGCTCTCAATCCTTTTTAAAAATAGTGTAAATATT
TATAAGCCAAGCCTGTGGATTTTTGTTAAATGCCTACTGTGCCACCCACAACCCTATTAT
TTGGNTTCTACCTNCAGCTATTTAN

Restriction Sites: NotI-NotI

ACCN: NM_199040

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_199040.1, NP_950241.1

RefSeq Size: 7839 bp

RefSeq ORF: 4815 bp

Locus ID: 11163

UniProt ID: Q9NZJ9

Cytogenetics: 12q22

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 (2) represents the longest transcript and encodes the longest 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.