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Product datasheet for SC121189

NUDT10 (NM_153183) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUDT10 (NM_153183) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUDT10
Synonyms:	APS2; DIPP3-alpha; DIPP3a
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC121189 sequence for NM_153183 edited (data generated by NextGen Sequencing)

ATGAAGTGCAAACCCAACCAGACACGGACCTACGACCCCGAGGGGTTCAAGAAGCGGGCG
GCGTGCCTGTGCTTCCGGAGCGAGCGCGAGGACGAGGTCCTGTTAGTGAGTAGCAGCCGG
TACCCGGACCGCTGGATCGTGCCGGGCGGGGGCATGGAGCCCGAGGAGGAGCCGGGCGGT
GCGGCGGTCCGAGAGGTGTACGAAGAGGCGGGAGTCAAGGGGAAGTTAGGCCGGCTCCTG
GGCGTCTTCGAACAGAACCAGGACCCCAAGCACAGAACGTACGTGTATGTACTGACTGTC
ACGGAGCTGCTGGAGGATTGGGAAGATTCGGTTAGCATTGGGAGGAAGCGAGAGTGGTTC
AAAGTCGAAGATGCCATCAAGGTTCTCCAGTGCCACAAGCCCGTGCACGCCGAATATCTG
GAGAAACTAAAGCTGGGCGGTTCCCCAACCAATGGAAACTCCATGGCCCCATCCTCGCCA
GATAGCGATCCCTAG

Clone variation with respect to NM_153183.2

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_153183 unedited
GATTTTGTAACCGACTTTACTATANNGGCGGCCGCGCAATTCGGCACCAGGGCAGACGGA
GTCGCCTCTCTCTCCCCGCCCCTCTCCTCGGCCCTTTCTCTTCCCAGCACCTCGGCTGCT
GCCCGGCAGCGGCAGCAGCTGCGTCGGCGGCCCACACAGCAGCGAGAGGCGAGAGGAGGC
TGCCTCGAGGATGAAGTGCAAACCCAACCAGACACGGACCTACGACCCCGAGGGGTTCAA
GAAGCGGGCGGCGTGCCTGTGCTTCCGGAGCGAGCGCGAGGACGAGGTCCTGTTAGTGAG
TAGCAGCCGGTACCCGGACCGCTGGATCGTGCCGGGCGGGGGCATGGAGCCCGAGGAGGA
GCCGGGCGGTGCGGCGGTCCGAGAGGTGTACGAAGAGGCGGGAGTCAAGGGGAAGTTAGG
CCGGCTCCTGGGCGTCTTCGAACAGAACCAGGACCCCAAGCACAGAACGTACGTGTATGT
ACTGACTGTCACGGAGCTGCTGGAGGATTGGGAAGATTCGGTTAGCATTGGGAGGAAGCG
AGAGTGGTTCAAAGTCGAAGATGCCATCAAGGTTCTCCAGTGCCACAAGCCCGTGCACGC
CGAATATCTGGAGAAACTAAAGCTGGGCGGTTCCCCAACCAATGNGAACTCCATGGCCCC
ATCCTCGCCAGATAGCGATCCCTAGTGAATGGCATAGATGTTGNTCAGATTTACTTTGAA
AGATCAAGTATGTGAATGGATGGATGAATGGGATTGTGAAGCACAGATGAGCTCTTTCAC
ACTCCAAGGACACAGCTCATCCTATGCCTTTGGACACTTCCTTCCCTGNTTATTACAATG
ACTATNCTCCACGNTGNTGCCACTACGCTGNNATCTGACATAATNCTAACTGGCAACCTG
GGCCCTTTTTGGGCTCCTATGGGCCGGATTCCCGGCAGAGTTACCCCCTTGAAGGCAAGG
ACCTGGTTCCTTAACCTTNTTAATATACAGCAT

Restriction Sites: ECoRI-NOT

ACCN: NM_153183

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_153183.1, NP_694853.1

RefSeq Size: 2020 bp

RefSeq ORF: 495 bp

Locus ID: 170685

UniProt ID: Q8NFP7

Cytogenetics: Xp11.22

Gene Summary: This gene is a member of the nudix (nucleoside diphosphate linked moiety X)-type motif containing family. The encoded protein is a phosphohydrolase and may regulate 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 the regulation of intracellular trafficking. In some populations putative prostate cancer susceptibility alleles have been identified for this gene. Alternatively spliced transcript variants, which differ only in the 5' UTR, have been found for this gene. [provided by RefSeq, Feb 2015]
Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.