

Product datasheet for **RC235865**

NUDT4 (NM_001301024) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NUDT4 (NM_001301024) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: NUDT4
Synonyms: DIPP-2B; DIPP2; DIPP2alpha; DIPP2beta; HDCMB47P; NUDT4B
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235865 representing NM_001301024
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAACCCGAGGAGGAACCTGGCGGTGCTGCCGTGAGGGAAGTTATGAGGAGGCTGGAGTCAAAGGAA
AACTAGGCAGACTTCTGGGCATATTTGAGAACCAAGACCGAAAGCACAGAACATATGTTTATGTTCTAAC
AGTCACAGAAATATTAGAAGATTGGGAAGATTCTGTTAATATTGGAAGGAAGAGAGAGTGGTTCAAAGTA
GAAGATGCTATCAAAGTTCTCCAGTGTCATAAACCTGTACATGCAGAGTATCTGGAAAAGCTAAAGCTGG
GTTGTTCCCAGCCAATGGAAATCTACAGTCCCTTCCCTCCGGATAAATATGCCTTGTGTAACCGC
TGCACAGACCTCTGGGTTGCCATCTAGTGAAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235865 representing NM_001301024
Red=Cloning site Green=Tags(s)

MEPEEPPGAAVREYEEAGVKGLGRLGIFENQDRKHRTYVYVLTVTETLEDWEDSVNIGRKREWFKV
EDAIAIKVLQCHKPVHAEYLEKLLKGCSPANGNSTVPSLPDNNALFVTAQTSGLPSSVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



[View online »](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001301024.2
RefSeq Size:	4457 bp
RefSeq ORF:	387 bp
Locus ID:	11163
UniProt ID:	Q9NZJ9
Cytogenetics:	12q22
Protein Families:	Druggable Genome
MW:	14.7 kDa
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]