

Product datasheet for MC210175

Nudt11 (NM_021431) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nudt11 (NM_021431) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nudt11
Synonyms:	DIPP3; DIPP3b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210175 representing NM_021431 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAAGTGCAAGCCGAACCGAGCGCGGACCTACGACCCCGAGGGCTTCAAGAAGCGCGCCGCGTGCCTGT
GCTTCCGACGAGCGCGAGGACGAGGTGCTGCTGGTGAGCAGCAGCCGCTACCCGACCGCTGGATCGT
GCCGGGAGGGGCGATGGAGCCCGAGGAGGAGCCGACGGCGCGCGGTGCGCGAGGTGTACGAGGAGGCG
GGAGTCAAGGGGAAGTTGGGCCGCTTGTGGCGCTCTTCGAGCAGAACCAGGACCGCAAGCACCGGACCT
ACGTGTTCTGCTCACCCTCACCAGCTGCTGGAGGATTGGGAAGACTCGGTGAGCATCGGCAGGAAGCG
CGAGTGGTTCAAGATCGAAGATGCCATCAAGGTCTGCAGTGCCACAAGCCCGTGCACGCCGAGTACCTG
GAGAACTGAAGCTGGGCGGCTCCCTACTAATGGGAACCTCGGCCGCCCCGTCCCGCCAGAGAGCGAGC
CT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_021431
Insert Size:	495 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).


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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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_021431.2 , NP_067406.2
RefSeq Size:	2649 bp
RefSeq ORF:	495 bp
Locus ID:	58242
UniProt ID:	P0C027
Cytogenetics:	X A1.1
Gene Summary:	Cleaves a beta-phosphate from the diphosphate groups in PP-InsP5 (diphosphoinositol pentakisphosphate), suggesting that it may play a role in signal transduction. Also able to catalyze the hydrolysis of dinucleoside oligophosphates, with Ap6A and Ap5A being the preferred substrates. The major reaction products are ADP and p4a from Ap6A and ADP and ATP from Ap5A. Also able to hydrolyze 5-phosphoribose 1-diphosphate; however, the relevance of such activity in vivo remains unclear.[UniProtKB/Swiss-Prot Function]