

Product datasheet for **MC201565**

Nudt14 (NM_025399) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nudt14 (NM_025399) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nudt14
Synonyms: 1110030M18Rik; UGPPase
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC025444 sequence for NM_025399
CCACGCGTCCGCCACGCGTCCGCGCGGAAGAATCTGCTCTGCGCCACCATGGAGCGCATCGACGGGGTG
GCCGTGGGCCTCTGTGCCATTGCCCCCTACCTGCGGCCTTTCACGCTGCACTACCGCCAGGACGGTGTC
AGAAGTCCTGGGACTTTATGAAGACACATGACAGTGTGACTATTCTCATGTTCAACTCTTCTCGGAGAAG
CCTGGTGTGGTGAACAGTTCCGGCCAGCTGTATATGCAGGCGAGGTAGAGCGTCACTCCCAGGGTCC
CTGACAGCTGTGAACCAGGACCAGCCCCAAGAATTCAGCAAGCACTGCCTGGCTCAGCGGGAGTGATGG
TGAACCTCTGTGCCGGTATTGTGGACCAGCCTGGGCTCTCACTGGAAGAGGCAGCCTGCAAGGAGGCTTG
GGAAGAGTGCGGCTATCGCTGGTCCCCACCGATCTGCGCAGAGTTGCCACATACATGTCTGGAGTAGGA
CTGACTAGCTCCAGGCAGACCATGTTCTACGCGGAGGTGACAGATGCCAGCGAGGCGGGCCTGGTGGAG
GGCTGGCCGAGGAGGGAGAAGTCAATCGAAGTGATCCATCTGAATTTAGATGACGCCAGGCCTTCGACAG
CAACCCTGACATCCCAAGACTCTCGGGTTATCTACGCTATCTCTTGGTCTTTAGCCAGGTGGTTCCC
CATTTGAGTCTCCAGTGAGACCTTGGGGCTGGACAGGCCTAATCCCATCCACTCATCCTCCTGCCCTGCG
CACCCAATAAAGCTTGTGTAAGTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_025399

Insert Size: 669 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).

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).



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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: [BC025444](#), [AAH25444](#)

RefSeq Size: 821 bp

RefSeq ORF: 669 bp

Locus ID: 66174

UniProt ID: [Q9D142](#)

Cytogenetics: 12 F1

Gene Summary: Hydrolyzes UDP-glucose to glucose 1-phosphate and UMP and ADP-ribose to ribose 5-phosphate and AMP. The physiological substrate is probably UDP-glucose. Poor activity on other substrates such as ADP-glucose, CDP-glucose, GDP-glucose and GDP-mannose (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).