

Product datasheet for RN200033

Dut (NM_001040271) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dut (NM_001040271) Rat Untagged Clone
Tag: Tag Free
Symbol: Dut
Synonyms: Dutp; PIP4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN200033 representing NM_001040271
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCTGCTCGGAAGACCCTGCGGTCTGTCTCTAAGAGGGCTCGAGCGGAAGATGACGCTTCTCTGC
 GTTTCGTGCGGCTCTCGGAGCACGCTACGGCTCCCACCCGCGGGTCCGCGCGCGTGCAGGCTACGACCT
 GTACAGTGCCATGATTACAATTCATCCATGGAGAAAGCCCTTGTGAAGACAGACATTCAGATAGCT
 GTTCCTTCTGGTGCTATGGAAGAGTGGCTCCACGTTCTGGCTTGGCTGTAAGCACTTCATAGATGTAG
 GAGCCGGTGTATAGATGAAGATTATAGAGGAAATGTCGGCGTCTGCTGTTCAATTTGGAAAAGAGAA
 GTTCGAGGTGAAAAAGGTGACCGGATCGCGCAGCTCATTGTGAGCGGATTCTTTATCCAGACTTAGAG
 GAGGTGCAAACTGGATAACACTGAGAGAGGCTCAGGAGGCTTCGGCTCCACGGAAAGAAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001040271
Insert Size: 486 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.
RefSeq:	<u>NM_001040271.1, NP_001035361.1</u>
RefSeq Size:	826 bp
RefSeq ORF:	486 bp
Locus ID:	497778
UniProt ID:	<u>P70583</u>
Cytogenetics:	3q36
Gene Summary:	precursor of thymidine nucleotides; may inhibit peroxisome proliferator-activated receptor (PPAR) activity [RGD, Feb 2006] Transcript Variant: This variant (2) differs in the 5' UTR and 5' CDS compared to variant 1. The resulting protein (isoform 2) is shorter and has a distinct N-terminus compared to isoform 1.