

Product datasheet for RN211045

Dtwd1 (NM_001013921) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dtwd1 (NM_001013921) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dtwd1
Synonyms:	RGD1311144
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN211045 representing NM_001013921 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTCTCAGTCCATCTGTAGTTCCTCAAGAAAGTGAAGAAAACAATGCAAACCTGTGTAGAAACGAAAC
AGTCACAAACTGCTTCCACTGCATCAGAGGACCCCTTCAACACTTATGCTTAGCGTCTCAGGAGGTGCT
TCATAAGGCTCAGCAAAGTGGGAGGTACGGGTCTTCAATGTGGTGGCTCAAGGATGTTCTACTGCTAC
ACATGCTATGTCCGGTGGAAAATGTGCCACTGAGCAGATCCCGTTTGTGCAGCTTCCACTGAAGATTG
ATATCATTAAAGCATCCGAATGAAACAGACGGCAAAGCACGGCTGTGCACGAAAGCTCTTGGCGCCGGA
CTCTGTGAACATTTACACATATCCCTGCATTCCGGAGTATGAAGGGCAGGACCACGAGGTTGACTTGTT
TTTCTGGACCTCAGTCTATCTCAATAAAAGATGTCTCTTTCCATCTACAAAACGGATCGAAAAGTAAAG
GTGGAGACAAAGCTGACGACCTGGATATGCCACCTCGTAAGCTCGTGAGGACTGAGGCACAGGAAGGCTG
GCATTTGAATGAGAGCATGGGCAAAGGCCAGAGCTGAAAAGAGTTGTCTTTATTGACAGCACCTGGAGC
CAGACAAACCAGATCACCTCTGATGAGCGGCTTCGGGAGTTATTACAAGTTGAACTGAAAACAAGAAAA
CTTGCTTTTGGCGCCATCAAAAAGGGAAGCCAGATACTTCTTTCCACAATTGAAGCCATTTATTACTT
CCTGGTGGACTACCATAGAGCCGTGCAGAAGGAGGAGTACAGAGGACAATATGACAACCTTTTGTCTTC
TACTCCTTTATGTACCGCTTGATAAAGGAGGCCAGACGCTCTGGAGAGAAGGCCAAACAGAAAGCCATCC
ATTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001013921



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Insert Size:	915 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).
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_001013921.1</u> , <u>NP_001013943.1</u>
RefSeq Size:	1587 bp
RefSeq ORF:	915 bp
Locus ID:	296119
UniProt ID:	<u>Q6AYF5</u>
Cytogenetics:	3q36
Gene Summary:	Catalyzes the formation of 3-(3-amino-3-carboxypropyl)uridine (acp3U) at position 20 in the D-loop of several cytoplasmic tRNAs (acp3U(20)).[UniProtKB/Swiss-Prot Function]