

Product datasheet for **MC210803**

Dtwd2 (NM_001170960) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dtwd2 (NM_001170960) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dtwd2
Synonyms:	1190002H09Rik; 8030470C17Rik; AI414673; BB115449
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210803 representing NM_001170960 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCGAGGCCGAGGAGCGAACTCTCGGGGAGCCTGCGCCTCCGCCTTCTGGCGCCTTGGCGTCAC
CGACGCCGAGCAAGAGGAGCGGACCGAGGGCGGCACCGCCGACGGCGACTCCCGGGGCGCATCGGG
GGACAGCACGAGTGCAGACGGGCTCTGGGGCTGCCGGTGGAGCACGCGGAGCGCAGGCCGAGTGGCGC
CGCTGCAGCCGGCCCGAAAAGTGTCTTATGTCCATATCTCCAGTGCGCCACTCCAGATCTCTACCC
ACTTGTACATAATCCAGCATCCAGCAGAGGTGCAGTAAAACTAGCGTTGTAGTCAGTATGTAATTCG
GATGCAACCAACAACAGGTGCCTTTCTACCCTGGAGTGCCTGCTGTTGCTCTTCCATCTGGAGAAA
AACAAATTCATACAAGAGACCCTGCTCCGCCCTTCAAGCTCTGTGTTCTTCCAGCTTCAGCATGGCG
CTCAGATTCGCCTCAGCAAGGAATATCTTCTGAGAAACGGATTGTATCCAAGCCAATGCCAAAGAACA
ACGCAAATCAGGAAGATGGAGCTGTTGATGAACAGTGTAAAAATT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001170960
Insert Size:	609 bp



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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_001170960.1</u> , <u>NP_001164431.1</u>
RefSeq Size:	2857 bp
RefSeq ORF:	609 bp
Locus ID:	68857
UniProt ID:	<u>Q9D0U1</u>
Cytogenetics:	18 D1
Gene Summary:	Catalyzes the formation of 3-(3-amino-3-carboxypropyl)uridine (acp3U) at position 20a in the D-loop of several cytoplasmic tRNAs (acp3U(20a)). Also has a weak activity to form acp3U at position 20 in the D-loop of tRNAs (acp3U(20)).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks two in-frame exons in the middle portion of the coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.