

Product datasheet for SC306903

DTWD2 (NM_173666) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	DTWD2
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PSI00001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306903 representing NM_173666. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAGTCGCAGAAAGAGGCACGAACACTCCAGGAGCCCGTTGCGCGGCCTTCTGGGGCCTCAAGCTCT
CAGACGCCGAACGACAAGGAGCGCGGGAGGGCGCGCAGTGCCGGCGCGGCTGCCCTGGGCGCAGAG
GCGGACGACGACAGTGCGGACGGGCTGTGGAGCTGCCGGTGGAGCCGCGGAGCGGAGGCCTGAGTGC
ACCCGCTGCAGCCGGCCTCAGAAAGTGTGTTGTGTCCATTCTCCCAGCGCACCTCTGCATATCTCT
ACCCACTTGTACATAATTCAGCATCCAGCAGAGGAAAAACAAAGTGTTCGTACAGTTCTCTACTAGCA
GCATGCCTCCCCCAGGACAAGTGTAAAGTGAAGATCGGTGTCGCTTCAGTGAAGAAAGAGATCCTGAA
CTTTCAACTGTTTGCCGGAAGTCTGGTACATTAATATTATATCCAGGGGCTGAAGCTGCTAATTTGAA
GAATTTATATTAGATTCTCTGTTTATCCTTCTACAATCATCATCATTGATGGTACATGGAGCCAGGCT
AAGGACATTTTCTATAAGAACTCCTTGTTCCGACATCCAAACAGGTGCAATTAATAAAGTATGCTTTCT
AGTCAGTATGTAATTCGGATGCAGCCGACTAATAGATGCCTTTCTACACTGGAGTGTGCAGCTGTTGCT
CTTTCCATCTTGGAGAAAAATAATTACATACAAGAGACTTTGCTTCGCCCTCTTCAAGCTTTATGCTCC
TTTCAACTTCAGCATGGTGCCCAAATTCGCCTCAGCAAGGAACACCTTCTGAAAAATGGATTATATCCT
AAACCAATGCCAAAGAACAACGCAAACTCAGGAAAATGGAATTGTTAATGAATAGTGTAAATTTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_173666
Insert Size:	897 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	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:	<u>NM_173666.3</u>
RefSeq Size:	5849 bp
RefSeq ORF:	897 bp
Locus ID:	285605
UniProt ID:	<u>Q8NBA8</u>
Cytogenetics:	5q23.1
MW:	33.4 kDa
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)) (PubMed:31804502). Also has a weak activity to form acp3U at position 20 in the D-loop of tRNAs (acp3U(20)) (PubMed:31804502). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (α). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.