

Product datasheet for SC317450

DTWD1 (NM_020234) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	DTWD1
Synonyms:	MDS009
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317450 representing NM_020234. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCCTCTCAATCCACCTATATTTCTCAAACGAAGTGAAGAAAATAGTTCAAAATTTGTGGAACAAAA
CAGTCACAACTACTTCCATAGCTTCAGAAGATCCCCTTCAAACTTATGTTTAGCATCTCAAGAAGTT
CTTCAAAAGCTCAGCAAAGTGGGAGATCAAAATGTCTCAAATGTGGTGGTTCCAGAATGTTCTACTGC
TATACATGTTATGTTCCAGTTGAAATGTACCTATTGAACAGATCCCACTTGTAAGCTTCCATTGAAG
ATTGACATCATTAAACATCCAAATGAAACAGATGGCAAAGTACTGCTATACATGCAAACTCTTAGCA
CCTGAATTTGTAAACATTTACACGTATCCGTGATTCCAGAATATGAAGAAAAGGACCATGAAGTTGCA
CTCATTTTTCTGGACCTCAGTCTATCTCAATAAAAGATATTTCTTTTCATCTGCAAAAAGGATTCAA
AATAATGTTAGAGGCAAAATGATGACCCTGACAAGCCATCTTTAAACGCAAAAGAACTGAAGAACA
GAGTTCTGTGATTTGAATGACAGCAAGTGCAAAGGCACAACACTGAAAAAATTATATTTATAGATAGC
ACCTGGAACCAAAACAAATATTTCACTGATGAGCGACTTCAAGGGTTGTTACAAGTTGAGTTGAAA
ACAAGAAAACTTGCTTTTGGCGCCATCAAAAAGGAAAGCCAGATACTTTCCTTTCTACAATTGAAGCC
ATTTACTACTTTCTGGTAGACTACCATCTGATATATTAAGAGAGAAATACAGAGGGCAATATGACAAT
CTTTATTTTCTATTCTTTTATGTACAGTTGATAAAGATGCCAATGCTCTGGAGATAAGGAAACA
GGAAAACTTACACATTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCGCCGCG
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Restriction Sites:	SgfI-MluI
ACCN:	NM_020234
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).
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:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_020234.5</u>
RefSeq Size:	2750 bp
RefSeq ORF:	915 bp
Locus ID:	56986
UniProt ID:	<u>Q8N5C7</u>
Cytogenetics:	15q21.2
MW:	35.2 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>