

Product datasheet for **SC119278**

DDT (NM_001355) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDT (NM_001355) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDT
Synonyms:	D-DT; DDCT; MIF-2; MIF2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119278 sequence for NM_001355 edited (data generated by NextGen Sequencing) ATGCCGTTCTGGAGCTGGACACGAATTTGCCCGCAACCGAGTCCCCGCGGGGCTGGAG AAACGACTCTGCGCCGCCGCTGCCTCCATCCTGGGCAAACCTGCGGACCGCGTGAACGTG ACGGTACGGCCGGGCCTGGCCATGGCGCTGAGCGGGTCCACCGAGCCCTGCGCGCAGCTG TCCATCTCCTCCATCGGCGTAGTGGCACCGCCGAGGACAACCGCAGCCACAGCGCCCAC TTCTTTGAGTTTCTACCAAGGAGCTAGCCCTGGGCCAGGACCGGATACTTATCCGCTTT TTCCCCTTGGAGTCTGGCAGATTGGCAAGATAGGGACGGTCATGACTTTTTTATGA
	Clone variation with respect to NM_001355.3 45 g=>c



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001355 unedited TGTCAAAATTGTATACGACTCATATAGGCGGCNCGCAATCGGCACGAGGCCGTTCTCT GCCCGCCATGCCGTTCTGGAGCTGGACACGAATTTGCCCGCAAACCGAGTCCCCGCGGG GCTGGAGAAACGACTCTGCGCCGCCGCTGCCTCCATCCTGGGCAAACCTGCGGACCGCGT GAACGTGACGGTACGGCCGGGCTGGCCATGGCGCTGAGCGGGTCCACCGAGCCCTGCGC GCAGCTGTCCATCTCTCCATCGGCGTAGTGGGCACCGCCGAGGACAACCGCAGCCACAG CGCCCACTTCTTTGAGTTTCTACCAAGGAGCTAGCCCTGGGCCAGGACCGGATACTTAT CGGCTTTTTCCCTTGGAGTCTGGCAGATTGGCAAGATAGGGACGGTCATGACTTTTTT ATGATTGGGCACGAGGGATCCAGGGCATCTGTAACTGGCTGCTTCTCCAGAGAGATC TCTTGGCAGAGTGAGGGCTGGAGATAACCAGCTTTGGATTATCCCGCATGCAACATTCC TGTGATCACATAATCCTCTTCTTCATCCTCATATGAAATAAATGAAGAGAGCTTCTCAT TCAAAAAAAAAAAAAAAAAACTCGACTTAGATTGCGGCCGCGGTATAGCTGTTTCTG AACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCGAGTCCCTCTCTGGCCCTGGAAGT TGCCACTCCAGTCCCACCAGCCTTGCCTAATAAAAATTAAGTTGCATCATTTTGTCTGA CTAGGTGTCCTTCTTAATATTATGGGGTGAAGGGGNGTGGGNGATTGNGAACCGGGGGC AAGNTNGNAANNACCTGTAGGCTGCCGGGTCTATTGGGAACCCAGCTGGANTGC AGTGGACAATCTTGCTCACTGGCATCTCCGCCTNCTGGGGTCAAGCGATNCTCTGN CTA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001355 unedited CGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTGAATGAGGAAGCTCTTTCATTTAT TTCATATGAGGATGAAGAAGAGGATTATGTGATCACAGGAATGTTGCATGCGGGATAATC CAAAGCTGGTTATCTCCAGGCCCTCACTCTGCCAAGAGATCTCTCTGGAAGAAGCAGCCA GTTACAGATGCCCTGGATCCCTCCGTGCCAATCATAAAAAAGTCATGACCGTCCCTAT CTTGCCAATCTGCCAGGACTCCAAGGGGAAAAAGCGGATAAGTATCCGGTCTGGCCAG GGCTAGCTCCTTGGTGAAGAACTCAAAGAAGTGGGCGCTGTGGCTGCGGTTGTCTCGGC GGTGCCCACTACGCCGATGGAGGAGATGGACAGCTGCGCGCAGGGCTCGGTGGACCCGCT CAGCGCCATGGCCAGGCCCGGCCGTACCGTCACGTTACGCGGTCCGAGGTTTGCCAG GATGGAGGCAGCGCGCGCAAAGTCGTTTCTCCAGCCCCGCGGGGACTCGGTTGGCGGG CAAATTCGTGTCCAGCTCCAGGAACGGCATGGCGGGCAGAGGAACGGCCCTCGTGCCGAAT TCGCGGCCGCCCTATAGTGAGTCGTATTACAAAATTCTGACGGTCACTAAACGAGCTCT GCTTATATAGACCTCCACCGTAACGCCTACCGCCATTNGCGTNACCGGGCGGGGTTA TTACGACACTCTGGAAGTCCCCGTGATTCTGGTGCCCAACCAACTCCCATTGCCGTCATG GGGCGGAGACTTGAAATCCCCGTGAGGCAAACGCGTATCCCCCCATCGGCGCACCCGCC AAACCGCATACCATGGGAATAGCGATGACTACACCGTCAATGGACCGCCAATGGGAAAG CCTGCAAGGCAGTCTGGGGCCACGGCCGGCCCGCCCTACCGTTATTGCCCATAGGGG GGGCCCTGCACAGAACCTGCGGCCGGCTCGGGCCGTCACCCACACTCN</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_001355
Insert Size:	640 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:

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: [NM_001355.2](#), [NP_001346.1](#)

RefSeq Size: 666 bp

RefSeq ORF: 357 bp

Locus ID: 1652

UniProt ID: [P30046](#)

Cytogenetics: 22q11.23

Gene Summary: D-dopachrome tautomerase converts D-dopachrome into 5,6-dihydroxyindole. The DDT gene is related to the migration inhibitory factor (MIF) in terms of sequence, enzyme activity, and gene structure. DDT and MIF are closely linked on chromosome 22. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.