

Product datasheet for **SC324054**

DHODH (NM_001361) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHODH (NM_001361) Human Untagged Clone
Tag:	Tag Free
Symbol:	DHODH
Synonyms:	DHOdehase; POADS; URA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001361.3
 CATGGCGTGGAGACACCTGAAAAAGCGGGCCAGGATGCTGTGATCATCCTGGGGGAGG
 AGGACTTCTCTTCGCCTCCTACCTGATGGCCACGGGAGATGAGCGTTTCTATGCTGAACA
 CCTGATGCCGACTCTGCAGGGGCTGCTGGACCCGGAGTCAGCCACAGACTGGCTGTTCCG
 CTTACCTCCCTGGGGCTCCTCCACGGGCCAGATTTCAAGACTCTGACATGCTGGAAGT
 GAGAGTTCTGGGCATAAATTCGAAATCCAGTAGGAATTGCTGCAGGATTTGACAAGCA
 TGGGGAAGCCGTGGACGGACTTTATAAGATGGGCTTTGGTTTTTGTGAGATAGGAAGTGT
 GACTCCAAAACCTCAGGAAGGAAACCCTAGACCCAGAGTCTTCCGCCTCCCTGAGGACCA
 AGCTGTCAATTAACAGGTATGGATTTAACAGTCACGGGCTTTTCAGTGGTGAACACAGGTT
 ACGGGCCAGACAGCAGAAGCAGGCCAAGCTCACAGAAGATGGACTGCCTCTGGGGGTCAA
 CTTGGGGAAGAACAAGACCTCAGTGGACGCCGCGGAGGACTACGCAGAAGGGGTGCGCGT
 ACTGGGCCCTGGCCGACTACCTGGTGGTGAATGTGTCCAGCCCAACACTGCCGGCT
 GCGGAGCCTTCAGGAAAGGCCGAGCTGCGCCGCTGCTGACCAAGGTGCTGCAGGAGAG
 GGATGGCTTCGCGAGAGTGCACAGGCCGCGAGTCTGGTGAAGATCGCTCCTGACCTCAC
 CAGCCAGGATAAGGAGGACATTGCCAGTGTGGTCAAAGAGTTGGGCATCGATGGGCTGAT
 TGTACGAAACACCACCGTGAATCGCCCTGCGGGCTCCAGGGTGCCTGCGCTCTGAAAC
 AGGAGGGCTGAGTGGGAAGCCCTCCGGGATTTATCAACTCAAACCATTTCGGGAGATGTA
 TGCACTACCCAAGGCCGAGTTCCTCCATAATTGGGGTTGGTGGTGTGAGCAGCGGGCAGGA
 CGCGCTGGAGAAGATCCGGGCAGGGGCTCCCTGGTGCAGCTGTACACGGCCCTCACCTT
 CTGGGGGCCACCCGTTGTGGCAAAAGTCAAGCGGGAAGTGGAGGCCCTTCTGAAAGAGCA
 GGGCTTTGGCGGAGTCACAGATGCCATTGGAGCAGATCATCGGAGGTGAGGACAGCGTCT
 GACGGGAAGCCTGATCTGGAACCTTCCAAGGACTCAGGCAAGCCTTTGTGGCTGGATCA
 TGAGAGGAGGACTCCATCTTGAGCCATGTCCCCAGCCATGGCATGGCTGCAGTGTAAA
 CGCCAATCGGGGGTCAACAGGATCAACCGCAGGCTTTCTTCAGTCCCTGGTCAAGCA
 TAAACTGCATTTTTGATTCTTTGTGGATCAAACCCTAGGATCCATCAGTCTTGCAAGGA
 CATTGAATATTAGGAGGAAAAAGTATGAAAAAATAAAGCCATTTAGAACCCTGGGTTTC
 AACGCTAGCCCTTTCTGGTTTGCCATAGGCCCTGCCAAGATACTGCAGGTCCATCCAGGC
 CTCTGCTATCTGCATCTGCAGTGGGCTTCCAGGAACTTGACTGTCTTTCATTTGATCTT
 TATTTTTGTTTATTTAATTTTTAACTTTATTTTAAAAATATTTCAAACATAAGGGCGG
 GGTGTGGTGGCTCATGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGCGGATCACC
 TGAGGCCAGGAGTTGGAGACCATCCAGGCCACCATGGTGAACCCTGTCTTACCAAAAA
 TACAAAAAATTAGCCAGATATTGTGGCAGGCACTTTAATCCCAGCTACTCGGGAGGCTG
 AGGCAGGAGAATTGCTTGAACCTGGGAGGCGGAGGTTGCAGTGAAGCAAGATTGCACCAG
 TGCACTCCAGCTTGGGCGACAGATCAAGACTCTGTACACACAAAAACAAACGAACAAATT
 TTCCCGTTTCTCTGTCCCTTCTCTATAACATGGATAAAAATATTCACGTCTTATGTAT
 TTATTAATAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_001361

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.
RefSeq:	NM_001361.3 , NP_001352.2
RefSeq Size:	2080 bp
RefSeq ORF:	1188 bp
Locus ID:	1723
UniProt ID:	Q02127
Cytogenetics:	16q22.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Metabolic pathways, Pyrimidine metabolism
Gene Summary:	The protein encoded by this gene catalyzes the fourth enzymatic step, the ubiquinone-mediated oxidation of dihydroorotate to orotate, in de novo pyrimidine biosynthesis. This protein is a mitochondrial protein located on the outer surface of the inner mitochondrial membrane. [provided by RefSeq, Jul 2008]