

Product datasheet for **SC126368**

C10orf65 (BC011916) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C10orf65 (BC011916) Human Untagged Clone
Tag:	Tag Free
Symbol:	C10orf65
Synonyms:	chromosome 10 open reading frame 65; DHDPS-like protein; Dihydrodipicolinate synthase-like, mitochondrial; FLJ37472; OTTHUMP00000059366
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for BC011916 edited
 CTGGGCTTCTGGCTTCAGAGCTGGGAATTGTGGGAGGAGGGCCAGATCCCACTGGAGAT
 ACCGAAGGAGATACTCTTTAGTATTGGGATCCCAGAAACAGTCTATATCTGGCCAGAG
 GGACACTGGGTTGTGGCATCTCTAGCTGCTACCCAGAAGGAACAGGGCCCCCTGGGGC
 CTATAGGCCTTGGCCCTGACCCTGGGAACACCCAGCTCAGGCCTGCCCACTGGCCACAA
 GTCAGGGAGGCCGCAAAATTTTAACTAGAAACATTGATCATTAAAGGGGTTAGAAAGA
 GTTCAAACTAAGTCTCACTCTGGGACATAGACCAATTGTCTTCAGGCCTCCTGCAGAGA
 TGCTGGGTCCCCAAGTCTGGTCTTCTGTGAGGCAGGGGCTAAGCAGGAGCTTGTCCAGGA
 ATGTGGGGGTCTGGGCTCAGGGGAGGGGAAGAAGGTGGACATTGCGGGTATCTACCCCC
 CTGTGACCACCCCTTCACTGCCACTGCAGAGGTGGACTATGGGAACTGGAGGAGAATC
 TGCACAACTGGGCACCTTCCCCTCCGAGGAGCTGTGGGGGGCTGTGCGCCCTGGCCA
 ATGTCCTGGGGGCTCAGGTGTGCCAGCTGGAGCGACTGTGCTGCACGGGGCAATGGGAAG
 ATGCCAGAACTGCAGCACCGCCTCATTGAGCCAAACGCTGCGGTGACCCGGCGCTTTG
 GGATCCCAGGGCTGAAGAAAATCATGGACTGGTTTGGCTACTATGGAGGCCCTGCCGCG
 CCCCCTTGCAAGGAGCTGAGCCCCCTGAGGAGGAGGCACTGCGCATGGATTTACCAGCA
 ACGGCTGGCTCTGAGGGCAGGCAGGGTCCATGGCTGGCCTGAGCCCATCTCAGCCTCCTG
 CCTTGCATTGACGCTGAAGCGGAGAGCACAGGGGGATGAGGGTGGCAGGCAGCGGGGA
 GCCGATAGAGGCTCCTTGCCTGCTGTGGTCTCCAGGCAGCCTTTCACAGGCACGCCCA
 TGCATATCTCCTATTCTAACGGCCCTGACCTCTCCCTTTTGGATCCTAACTGTGTCTC
 TGGTCTGAAGACTGGGAAGGAGCAATTTCTCAATTTATCTTTCTACTGTGGATGCTTTC
 TACGCCCTGAGGCACATGAAGTCAGAAAGGAAGGGCAGAGGGGCAAGTAGGCACAGTAAG
 GGAATTTTCTTTCTTTTTTTTTTTTTTTTGGAGACAGAGTTTCACTCTGTACCCAGGCTG
 GAGTGCAATGGCATGATCTCGCCTCCTGGGTTCAAGCGATTCTCCTGCCTCAGCCTCCCG
 AGTAGCTGGGATTACAGGCGCCTGCCACCACGCCAGCTAATTTTTGTATTTTATGAGA
 GATGGGGTTTACCGTGTGGCCAGGCTGGTCTTGAACCTCTGACCTCAGGTGATCCAAC
 TGCCTCGGCCTCCCAAAGTGTGGGATTACAGCTGTGAGCCACTGCACCCGGCCGGGAAT
 TTATCAAAGGGGGGACTACTTAGATTTGGGGCTTCAAACCTGAGTCTAGCACAATGCAGC
 TGGAGGCCAGGGTACTCTACAAACCAAGTTCTGACTCCTCCAGGGAAGTATCAGCT
 TAAGAACTTGATCAGGAAAGTGACACTGGTCTTTCAAAGAGCCCTTTTACCCTCCCAT
 CCCTGCCCTCCACTGCAAGCTGCATTCCAGCCACAACGCCCTTTTCTAAATCTATTTT
 CATTCTCTCTATTCTGGTCTGTAGCCTTGATTCCAACATTGAATGCACGGAGACAGC
 CCAGTGGCTTGTGAGATTGGTAAATAATGACACCTGGTGGATAAATGTTACATTCTAGAA
 GACTATTCTGGTCAGCCTAGGTCTGAAACACTAAGGAGACTTGGCCTGAGATAGGGCCAT
 CCACTTGCTACAGGCACTCTGCTTTTATTATTAATAAATAGTCACTTTGTTACTATAATA
 AAATTTAACAGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: BC011916

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:	<u>BC011916.2</u> , <u>AAH11916.1</u>
RefSeq Size:	2012 bp
Locus ID:	112817
Cytogenetics:	10q24.2
Gene Summary:	The authors of PMID:20797690 cloned this gene while searching for genes in a region of chromosome 10 linked to primary hyperoxalurea type III. They noted that even though the encoded protein has been described as a mitochondrial dihydrodipicolinate synthase-like enzyme, it shares little homology with E. coli dihydrodipicolinate synthase (Dhdps), particularly in the putative substrate-binding region. Moreover, neither lysine biosynthesis nor sialic acid metabolism, for which Dhdps is responsible, occurs in vertebrate mitochondria. They propose that this gene encodes mitochondrial 4-hydroxyl-2-oxoglutarate aldolase (EC 4.1.3.16), which catalyzes the final step in the metabolic pathway of hydroxyproline, releasing glyoxylate and pyruvate. This gene is predominantly expressed in the liver and kidney, and mutations in this gene are found in patients with primary hyperoxalurea type III. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Nov 2010]