

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

# Product datasheet for RC206067

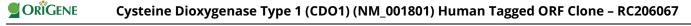
### Cysteine Dioxygenase Type 1 (CDO1) (NM\_001801) Human Tagged ORF Clone

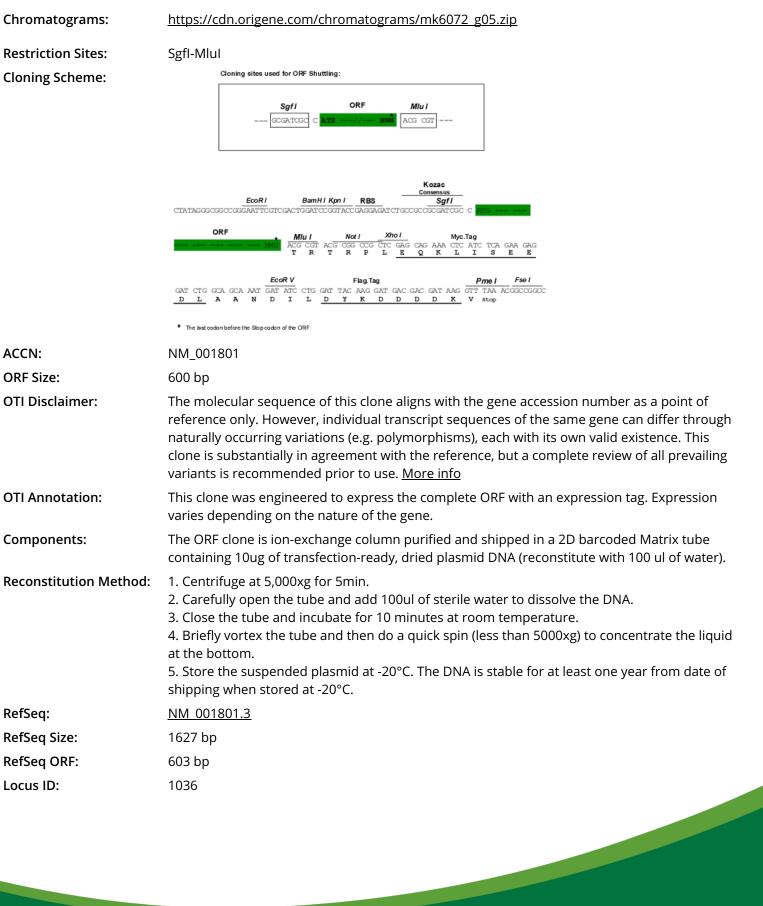
#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cysteine Dioxygenase Type 1 (CDO1) (NM_001801) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cysteine Dioxygenase Type 1
Synonyms:	CDO-I
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RC206067 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGAACAGACCGAAGTGCTGAAGCCACGGACCCTGGCTGATCTGATCCGCATCCTGCACCAGCTCTTTG CCGGCGATGAGGTCAATGTAGAGGAGGTGCAGGCCATCATGGAAGCCTACGAGAGCGACCCCACCGAGTG GGCAATGTACGCCAAGTTCGACCAGTACAGGTATACCCGAAATCTTGTGGATCAAGGAAATGGAAAATTT AATCTGATGATTCTCTGTTGGGGTGAAGGACATGGCAGCAGTATTCATGATCATACCAACTCCCACTGCT TTCTGAAGATGCTACAGGGAAATCTAAAGGAGACATTATTTGCCTGGCCTGACAAAAAATCCAATGAGAT GGTCAAGAAGTCTGAAAGAGTCTTGAGGGAAAACCAGTGTGCCTACATCAATGATTCCGTTGGCTTACAT CGAGTAGAGAACATCAACGGAACCTGCTGTGAGCCTTCACTGTACAGTCCACCTTTTGATACAT GCCATGCCTTTGATCAAAGAACAGGACATAAAAACAAAGTCACAATGACATTCCATAGTAACATTTGGAAT CCAGGACATCCAAAGAACAGGACCATAAAAACAAAGTCACAATGACATTCCATAGTAAATTTGGAAT CAGAACTCCAAATGCAACTTCGGGCTCGCTGGAGAACAAC
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	<pre>&gt;RC206067 protein sequence Red=Cloning site Green=Tags(s)</pre>
	MEQTEVLKPRTLADLIRILHQLFAGDEVNVEEVQAIMEAYESDPTEWAMYAKFDQYRYTRNLVDQGNGKF NLMILCWGEGHGSSIHDHTNSHCFLKMLQGNLKETLFAWPDKKSNEMVKKSERVLRENQCAYINDSVGLH RVENISHTEPAVSLHLYSPPFDTCHAFDQRTGHKNKVTMTFHSKFGIRTPNATSGSLENN
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

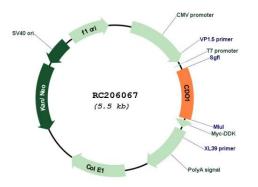




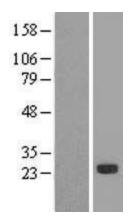
This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

	Cysteine Dioxygenase Type 1 (CDO1) (NM_001801) Human Tagged ORF Clone – RC206067
UniProt ID:	<u>Q16878</u>
Cytogenetics:	5q22.3
Protein Pathway	<b>s:</b> Cysteine and methionine metabolism, Metabolic pathways, Taurine and hypotaurine metabolism
MW:	23 kDa
Gene Summary:	Initiates several important metabolic pathways related to pyruvate and several sulfurate compounds including sulfate, hypotaurine and taurine. Critical regulator of cellular cysteine concentrations. Has an important role in maintaining the hepatic concentation of intracellular free cysteine within a proper narrow range.[UniProtKB/Swiss-Prot Function]

## **Product images:**



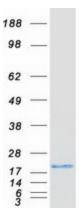
Circular map for RC206067



Western blot validation of overexpression lysate (Cat# [LY419737]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206067 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US





Coomassie blue staining of purified CDO1 protein (Cat# [TP306067]). The protein was produced from HEK293T cells transfected with CDO1 cDNA clone (Cat# RC206067) using MegaTran 2.0 (Cat# [TT210002]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US