

## Product datasheet for **RR213643**

### Ido1 (NM\_023973) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ido1 (NM_023973) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ido1
Synonyms:	Ido; Indo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR213643 representing NM_023973 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCTCACAGTCAAATATCTCCTGCAGAAGGCTCTAGAAGGATCCTTGAAGAATACCACATAGATGAAG  
ATGTGGGCTTTGCTCTACCACATCCACTGGAGGAGCTGCCTGATACGTACAGACCTTGGATCCTTGTGGC  
TAGAAATCTGCCTAAGCTGATTGAGAATGGGAAGCTCCGAGAAGAAGTCGAGAAGCTGCCACACTGCGC  
ACCGAAGAAGTGAAGGACACAGGTTACAGCGCCTGGCACATTTGGCCCTGGGGTACATCACCATGGCGT  
ATGTGTGGAACCGAGGGGATGATGATATTCGAAAGGTGCTGCCCGCAATCTTCCGTTCCCTACTGCGA  
GCTCTCGGAGAAGCTGGGGTGCCTCCATTCTGTCTTACGCAGACTGCGTCTGGCAAAGTGAAGAAA  
AAGGACCCCAATGGGCCATGACATACGAGAACATGGACATTCTGTTCTCGTTTCCCTGGTGGGACTGCG  
ATAAAGGCTTCTTCTGGTCTCTCTAATGGTGGAAATCGCAGCTTCTCCTGCAATCAAAGCAATTCCTAC  
TGTATCCAGTGCAGTAGAGCATCAAGACCCGAAAGCACTGGAGAAGGCACTGTGTAGTATAGCTGCCAGT  
CTGGAGAAAGCCAAGGAAATTTTAAGAGGATGCGTGACTTCGTGGATCCAGACACCTTTTTCCACGTTCT  
TTCGCATATATTTGTCTGGTTGGAAGGGCAACCCTAAGCTGCCGAGGGTCTGCTGTACGAGGGCGTCTG  
GGACACCCCAAAAAATTTTCAGGGGCGAGTGCAGGCCAGAGCAGCATCTTTCAGAGTCTTGATGTCCTT  
CTGGGAATAAAGCATGACGTTGGTGAAGGATCTGCTGCAGAATTCCTCCAGGAAATGAGAGAGTACATGC  
CTCCAGCCACCCGAACTTCTCTCCTCCTTAGAGTCAGCTCCCCAGTCCCGTGAAGTTTGTCAATTTAAG  
ACGCAATGAAGACTTGAAGGAGGCTTATAATGAGTGTGTAATGGCTGGTCTCCCTCAGAATGTTCCAC  
CTCTCGATAGTAGATACTTACATTGTGAAGCCTTCAAGCAGAAGCCATGGGTGGCCACAAGTCAGAAG  
AGCCCTCAAACACGAAAAACAGAGGGACTGGGGTACTGACGTCATGAATTTCTGAGGAGTGTAAAGA  
TACAACCAAGAAAGCCCTTCTGAGTTGGCCTTACAACCAAGAAAGCCCTTCTGAGTTGGCCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RR213643 representing NM\_023973  
Red=Cloning site Green=Tags(s)

MPHSQISPAEGSRRILEEYHIDEDVGFALPHPLEELPDTYRPWILVARNLPKLIENGLREEVEKLPTLR  
 TEELRGHRLQRLAHLALGYITMAYVWNRGDDDIRKVLPRNLAVPYCELSEKLGPPILSYADCVLANWKK  
 KDPNGPMTYENMDILFSFPGGCDKGFVLVSLMVEIAASPAIKAIPTVSSAVEHQDPKALEKALCSIAAS  
 LEKAKEIFKRMRDFVDPDTFFHVLRIYLSGWKGNPKLPEGLLYEGVWDTPKKFSGGSAGQSSIFQSLDVL  
 LGIKHDVGECSAAEFLEQEMREYMPPAHRNFLSSLESAPPVREFVILRRNEDLKEAYNECVNGLVSLRMFH  
 LSIVDTYIVKPSKQKPMGGHKSEEPSNTENRGTGGTDVMNFLRSVKDTTKALLSWPYNQESPELA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1338\\_c03.zip](https://cdn.origene.com/chromatograms/ja1338_c03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_023973

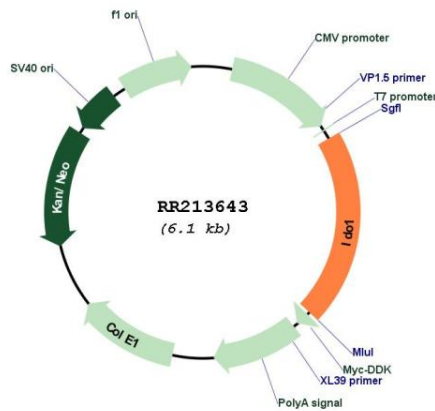
**ORF Size:** 1221 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq Size:</b>	1224 bp
<b>RefSeq ORF:</b>	1224 bp
<b>Locus ID:</b>	66029
<b>UniProt ID:</b>	<a href="#">Q9ERD9</a>
<b>Cytogenetics:</b>	16q12.5
<b>MW:</b>	45.8 kDa
<b>Gene Summary:</b>	enzyme which catalyzes degradation of L-tryptophan to N-formylkynurenine; human homolog is induced by gamma-interferon and is believed to be involved in that agent's tumor antiproliferative effects [RGD, Feb 2006]

### Product images:



Circular map for RR213643