

Product datasheet for RN207896

Tdo2 (NM_022403) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tdo2 (NM_022403) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tdo2
Synonyms:	Tdo; TO
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN207896 representing NM_022403 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGAGTGGGTGCCATTTTCAGGAAACAGTGTAGGATATACTTTGAAAACTTATCTATGGAAGACAATG
AAGAAGACGGAGCTCAAAGTGGTAAACAGAGCCAGCAAAGGAGGACTTATCTATGGGGACTACTTGCA
GTTGGAGAAGATTTTGAATGCACAAGAAGTCAAAGTAAATCAAAGGGAATAAAATCCAGCAGCAGCAC
CTCTTTATTATAACTCACCAAGCTTATGAACTTTGGTTTAAACAAATTCCTGGGAAGTATTCTGTTT
GTGAGATTTTTCAAATGGCCATGTCAGGGATGAGAGGAACATGCTCAAGGTGATGACTCGGATGCACCG
TGTGGTGGTCATCTTCAAGCTCCTGGTACAGCAGTTCTCGTTCTGGAACAATGACTGCCTTGGACTTC
AATGACTTCAGAGAGTACCTGTCTCCAGCATCAGGCTTCCAGAGTCTTCAGTTCCGGCTGCTAGAAAATA
AGATAGGTGTTCTTCAAGCTTGAGAGTCCCTTACAACAGGAAACACTATCGTGATAACTTTGAAGGAGA
CTACAATGAGCTGCTGCTGAAATCGGAGCAGGAGCAGACGCTATTGCAGCTGGTGGAGGCATGGCTGGAA
CGCACACCTGGCTTAGAGCCACATGGATTCAATTTCTGGGAAAGTTTGAATAAATATCTTGAAGGGTC
TGGAAAGAGGAGTTCCCTAAAGATTCAGGCGAAAAGGACTCTGAAGAAAAGAGGAACAGATGGCAGAGT
CCGGAAGCAGAAAAGAGGTGCTGCTCTGCTTGTTCGATGAGAAGCGTCATGACTACCTTCTGAGTAAAGGT
GAACGACGACTGTCATACCGTGCCTCCAGGGAGCACTGATGATATATTTTTACAGGGAGGAGCCTCGAT
TCCAGGTCCTTTCCAGTTGCTGACCTCACTTATGGACATTGACACACTCATGACCAAATGGAGATATAA
TCATGTGTGCATGGTGCACAGGATGCTAGGCAGCAAGGCTGGCACTGGGGATCCTCAGGCTATTATTAT
CTGCGCTCAACTGTGAGCGACAGGTACAAGGTGTTCTGGATTTATTTAACCTCTCATCGTACCTGGTTC
CCCAGACTGGATACCAAAGATGAATCCGATCATTACAAGTTCCTTTACACAGCTGAGTACAGCGACAG
CTCCTACTTCAGCAGCGATGAATCAGAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_022403
Insert Size:	1221 bp
OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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).</p>
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:	<u>NM_022403.2</u> , <u>NP_071798.1</u>
RefSeq Size:	1687 bp
RefSeq ORF:	1221 bp
Locus ID:	64206
UniProt ID:	<u>P21643</u>
Cytogenetics:	2q34
Gene Summary:	rate-limiting enzyme in the catabolism of tryptophan [RGD, Feb 2006]