

## Product datasheet for MC204535

### Tdo2 (NM\_019911) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tdo2 (NM\_019911) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tdo2  
**Synonyms:** AA407491; chky; TDO; TO  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC018390  
 AGCAAACCTGTGTGGTCCTGAGACACTTCAGTACTATGAGTGGGTGCCCGTTTCAGGAAACAGTGTAGG  
 ATACACTTTGAAAAACGTATCTATGGAGACAATGAAGAAGACAGAGCTCAAACCTGGTGTAAACAGAGCC  
 AGCAAAGGAGGACTTATCTATGGCAATTACTTGCAGTTGGAAAAGATTTTGAATGCGCAAGAACTTCAGA  
 GTGAAGTAAAAGGGAACAAAATCCATGACGAGCACCTATTCATCATAAATCATCAAGCTTATGAACCTTG  
 GTTAAACAAATCCTCTGGGAAC TAGATTCTGTTTCGTGAAATCTTCCAAAATGGCCATGTCAGGGATGAG  
 AGGAACATGCTCAAGGTGATAGCTCGGATGCATCGTGTGGTGGTCATCTTCAAGCTCCTGGTACAGCAGT  
 TCTCGTTCTGGAACAATGACTGCTTTGGACTTCAATGACTTCAGAGAATACCTGTCTCCAGCATCAGG  
 CTTCCAGAGTCTACAGTCCGGCTGCTGGAAAATAAGATTGGTGTCTTCAGAGCTTGAGAGTCCCTTAC  
 AACAGGAAACACTATCGTGATAACTTTGGAGGAGACTACAATGAGCTGTTGCTGAAATCAGAGCAGGAGC  
 AGACGCTGTTGCAGCTGGTGGAGGCATGGCTGGAAAGAACACCTGGTTTAGAGCCAAATGGATTTAATTT  
 CTGGGGAAAGTTTGAAAAAATATCTTGAAAGGCCTGGAAGAAGAATTTCTAAGGATTCAGGCTAAAACC  
 GACTCTGAAGAAAAGAGGAACAGATGGCAGAGTTCGGGAAGCAGAAGGAGGTGCTGCTCTGCTGTTTTG  
 ATGAGAAGCGTCACTGACTACCTTCTGAGTAAAGGTGAACGACGACTGTCATACCGTGCACCTCCAGGGAGC  
 ACTGATGATATATTTTTACAGGGAGGAGCCTCGATTCCAGGTCCCTTTCCAGCTGCTGACCTCACTTATG  
 GACATTGACACGCTCATGACCAATGGAGATATAATCATGTGTGCATGGTGCACAGAATGCTGGGCCACCA  
 AGGCTGGCACTGGGGATCCTCAGGCTATCATTACCTGCGTTCAACTGTGAGCGACAGGTACAAGTTTTT  
 TGTGGATTTATTTAACCTCTCAACATATCTGGTCCCAGACACTGGGTACCAAAGATGAATCCGATCATT  
 CACAAATTCCTTTACACAGCCGAGTACAGTGCAGCTCTTACTTCAGCAGCGATGAATCCGATTGAGTTC  
 TTCTGAACATCAGTGAAAACACTACAGGATTCTCAGTCGGCTTTTTATAAATTTTTATGAATACATGATTGG  
 TGTAATCTATTTATATGTGATGTTTCACTGTTATGATGTTTTGGTCCAATCCTGGAAGAAAGTTTATGATC  
 TTGCATATCATGATGGTGGAGGATTAGGAGGATTAAGCATTATGATAACTGATATAGTAAAATGTTAGCA  
 TCATCGTACATATGATAAATCTTGCTACAACCTCAATTTACCCTGACATTTACCTCTGTAGAACCATTTT  
 ATATAATTATTACCTTATTGCTTACATACTTTATAAAGCTTGGTGGAGCAGTTACTTTGATTATAGATACA  
 ATAAATACTACCCTTCTGTACAAAAA

**Restriction Sites:** RsrII-NotI



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<b>ACCN:</b>	NM_019911
<b>Insert Size:</b>	1221 bp
<b>OTI Disclaimer:</b>	<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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<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:</b>	<a href="#">BC018390</a> , <a href="#">AAH18390</a>
<b>RefSeq Size:</b>	1646 bp
<b>RefSeq ORF:</b>	1221 bp
<b>Locus ID:</b>	56720
<b>UniProt ID:</b>	<a href="#">P48776</a>
<b>Cytogenetics:</b>	3 E3
<b>Gene Summary:</b>	Heme-dependent dioxygenase that catalyzes the oxidative cleavage of the L-tryptophan (L-Trp) pyrrole ring and converts L-tryptophan to N-formyl-L-kynurenine. Catalyzes the oxidative cleavage of the indole moiety.[UniProtKB/Swiss-Prot Function]