

Product datasheet for **SC205769**

TDO2 (NM_005651) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: TDO2 (NM_005651) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: TDO2
Synonyms: HYPTRP; TDO; TO; TPH2; TRPO
ACCN: NM_005651
Insert Size: 446 bp
Insert Sequence: >SC205769 3'UTR clone of NM_005651
The sequence shown below is from the reference sequence of NM_005651. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCCTACTTCAGCAGTGATGAATCAGATTAAATCGTCTGCAAAATCTATGAAGAATACTGGTTTCACAG
CCTATTTTTTATTTTCTATGGATTTTCATAAATACAGTTTGAATATATGTATGCATATATTGTTTCAGCA
CCACGATGCTCTGATTTAATTCTAGAAACAATTTGATTACCTCTGTTTGTGACAAGACTAAGCATTAA
GATGAGAAAGAATACATTTAAATAGTAACATTGTACATAGGGTGTTCCTATTAATAAAATTCAGTTTCC
CCTGAGACTTAATGTAACCACTTAATGTAATCACTATCTCATTGTTTCATCTTTATAAACTGTAAACT
TCATCTATTTCAAATATTTTATGCAGTACATTATATTATTCTGTACAAAGGCTTTCAAACAAAATTTTT
AAAATAATAAAGTATTAATCTTTCTCCCTGTA
ACGCGTAAGCGGCCGCGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_005651.4](#)



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Summary: This gene encodes a heme enzyme that plays a critical role in tryptophan metabolism by catalyzing the first and rate-limiting step of the kynurenine pathway. Increased activity of the encoded protein and subsequent kynurenine production may also play a role in cancer through the suppression of antitumor immune responses, and single nucleotide polymorphisms in this gene may be associated with autism. [provided by RefSeq, Feb 2012]

Locus ID: 6999

MW: 17.2