

## Product datasheet for **SC203025**

### IDO1 (NM\_002164) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** IDO1 (NM\_002164) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** IDO1  
**Synonyms:** IDO; IDO-1; INDO  
**ACCN:** NM\_002164  
**Insert Size:** 635 bp  
**Insert Sequence:** >SC203025 3'UTR clone of NM\_002164

The sequence shown below is from the reference sequence of NM\_002164. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACTGAGAAATCCCTTTTGAAGGAAGGTAAATGTAACCCAACAAGAGCACATTTTATCATAGCAGAGACA
TCTGTATGCATTCTGTCAATACCCATTGTAACAGAGCCACAACTAATACTATGCAATGTTTTACCAA
TAATGCAATACAAAAGACCTCAAAATACCTGTGCATTTCTGTAGGAAAACAACAAAAGGTAATTATGT
GTAATTATACTAGAAGTTTTGTAATCTGTATCTTATCATTGGAATAAAATGACATTCAATAAATAAAAA
TGCATAAGATATATTCTGTGGGCTGGGCGCGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCG
AGGCGGGCGGATCACAAGGTCAGGAGATCGAGACCATCTTGGCTAACACGGTGAACCCCGTCTCTACT
AAAAATACAAAAATTAGCCGGGCGCGGTGGCGGGCACCTGTAGTCCCAGCTACTCGGGAGGCTGAGGC
AGGAGAATGGCGTGAACCTGGGAGGCGGAGCTTGCAAGTGAAGATTGTCCACTGCAATCCGGCCT
GGGCTAAAGAGCGGGACTCCGTCTCAAAAAAAAAAAAAAAAAAGATATATTCTGTCATAATAAATAAAAA
TGCATAAGATATAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**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.



[View online >](#)

RefSeq: [NM\\_002164.6](#)

**Summary:** This gene encodes indoleamine 2,3-dioxygenase (IDO) - a heme enzyme that catalyzes the first and rate-limiting step in tryptophan catabolism to N-formyl-kynurenine. This enzyme acts on multiple tryptophan substrates including D-tryptophan, L-tryptophan, 5-hydroxy-tryptophan, tryptamine, and serotonin. This enzyme is thought to play a role in a variety of pathophysiological processes such as antimicrobial and antitumor defense, neuropathology, immunoregulation, and antioxidant activity. Through its expression in dendritic cells, monocytes, and macrophages this enzyme modulates T-cell behavior by its peri-cellular catabolization of the essential amino acid tryptophan.[provided by RefSeq, Feb 2011]

**Locus ID:** 3620

**MW:** 24