

Product datasheet for **MC202993**

Ido2 (NM_145949) Mouse Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Ido2 (NM_145949) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Ido2 |
| Synonyms: | A1265623; C230043N17Rik; Ido-2; Indol1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC026393
 CGCACAAAGTACAACCACACAGAAGACACAGCTGGAAAGCTCCCTGGCCTGGGCATTCTCTGGGGCAGAG
 ACCTCACGCGAAAATATGGAGCCTCAAAGTCAGAGCATGACGCTGGAGGTGCCGTTGTCCTTGGGGAGAT
 ACCACATTTCTGAGGAATATGGCTTTCTCCTTCCAAATCCTCTGGAAGCACTTCCAGATCATTACAAGCC
 TTGGATGGAAATTGCCCTCAGACTTCTCACTTAATCGAGAACC GCCAGCTCCGAGCTCACGTGTACAGG
 ATGCCTCTCCTGGACTGCAGATTCTAAAGAGTTACCGTGAGCAGCGCCTGGCACACATGGCGCTGGCCG
 CTATCACCATGGGATTTCGTCTGGCAGGAGGGGGAAGGCCAACCCCAAAGGTGCTGCCAAGATCTTTGC
 CATTCTTTTGTGAGGTATCCAGGAACCTGGGACTCCCGCCTATCCTGGTCCACTCTGACCTGGTGCTG
 ACAAACTGGACCAAAAAGGAACCCAGAAGGACCGTTGAAAATCAGTAACCTGGAAACCATCATCTCATTTT
 CGGGGGGAGAGAGCCTGCGGGGCTTTCATCTAGTGACAGTCTTGGTGGAGAAGGCAGCAGTGCCCGGCT
 TAAGGCCCTGGTTCAGGGAATGGAGGCCATTCGGCAACACAGTCAGGACACCCTGCTAGAAGCCCTGCAG
 CAGCTGAGACTCTCCATCCAGGATATCACCAGAGCCTTGGCCAAATGCATGATTATGTGGACCCAGACA
 TATTTTACTCGGTCATCCGGATCTTCTCTCTGGGTGGAAGGACAATCCAGCCATGCCTGTGGGCTGGT
 CTATGAAGGTGCTGCCACAGAGCCTCTGAAGTACTCTGGAGGAAGTCAGCCCAGAGCTCCGTGCTTCAT
 GCCTTCGATGAGTTCCTGGGCATTGAGCATTGCAAGGAAAGTGTGGCTTTCTACACAGAATGAGGGACT
 ACATGCCGCCTTCCCAT AAGGCTTTCCTGGAAGATCTCCACGTAGCTCCTTCTCTGAGAGACTACATACT
 GGCTCTGGTCTGGGGACTGCCTGATGGCCTATAAACCAGTGTGTGGAGGCCCTGGGAGAGCTGCGCAGT
 TACCACATCAATGTCGTGGCCAGATACATTATCTCCGCTGCCACCAGGGCCAGGAGCAGGGGGCTAACTA
 ATCCCTCACCCCATGCCTTGAAGACAGGGGCACTGGGGTACTGCCATGCTGAGCTTCTTGAAGAGTGT
 CAGGGAGAAGACCATGGAGGCCCTCCTGTGTCTGGTGTCTAGCAGTCATGTCTGCACCCTAACACTTA
 GATGTTCTCATCTGCATCCCAGCGTTAGAGGTTACATCCTGCATCCTAGTGTCTAGCTGTTCTTGTGC
 TATATCCAGCGCTTAGCAGTCATGTCTGCATCCTAGTGCTTAGCATTTTATATCCAGCATTTTAGTG
 TTAGAGATTACATCCTGCATCCTAGAGCTTAGCATTTTATATCCAGCATCCTTGTGCATCAGCTATG
 TTTTGTATCCTGCTTAGCAGTTAACATCCTGCATCCTAGTACTTATCTGTTCTCATCCTGCATCCTAGAG
 CTTAGCAGTCAGGTCCTGGGAGCAAGAACCAGGGTCTGAGCTCTGTCTGAGCCCAAGCATGGCTTTAC
 TGCTTTGTTAATTGTGGCTCCCACCTCCACCCACCCAGCCAGTTTGCTTGCTAGAAGCCTTTCTGCAC
 TGCCATAATCCCCCTGCCTCACAGCAGAGAGCTGCAGCCATGACCTCCTCATTAGTATTAGTGGACAAG
 TCGGAGATACCCAACTCAATTTTAAAAGAATCAAGTTGCTTTTGGGGCATGTTACTTTCATCTTTCTTA
 CCCTGGGCTCTCCCTTCTCCCTACCTCCCTCGTCCCTTAGTCTTTCACCCCTCTCTCTTTCTCCTTT
 TGTCCACCTCCCCCTCCCTGCTTACTCTCTTTTCCCTTCCCCCTCTCCTCATCCCTCCTTCTTTCTT
 CCTTCCCTTTTTGTCTGTGAAGCACCAGGTCTGATGGGCCTCAAAGTGTGATCTTCTGTCTCACCTTC
 AAAGGTTATGTGTATGTGACGT
 TTTTTCCCTAGTGGAGATGACACCCAAAGATTTGCACATACCAGGCAATTGCTCCACCACCTGACTACAG
 TCCCAGCTCTCTGATTCTGAAGGAAAGTCTTGATGAGTTGCCTAGGCTGGTATTGAGCTCTTTAGCCC
 AGGCAGGCCTTAGTCTGAGTAGCTGGGATGTACAGGGATGAGCCACTGAGCCATGCTGCTGCTGCTAACG
 ATGATGACGATGATGATGATGAAGATTATGATAACTACAGTCACTGCAATAATGACGGCAAGATAATGA AAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_145949

Insert Size: 1197 bp

OTI Disclaimer: 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).

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:

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: [BC026393](#), [AAH26393](#)

RefSeq Size: 2464 bp

RefSeq ORF: 1197 bp

Locus ID: 209176

UniProt ID: [Q8R0V5](#)

Cytogenetics: 8 A2

Gene Summary: Catalyzes the first and rate-limiting step in the kynurenine pathway of tryptophan catabolism (PubMed:17499941, PubMed:17499941). Involved in immune regulation (PubMed:25477879). [UniProtKB/Swiss-Prot Function]