

Product datasheet for **SC307585**

INDOL1 (IDO2) (NM_194294) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INDOL1 (IDO2) (NM_194294) Human Untagged Clone
Tag:	Tag Free
Symbol:	INDOL1
Synonyms:	INDOL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_194294 edited
 ATGTTGCATTTTCATTATTATGATACTTCAAACAAAATAATGGAGCCCCACAGACCGAAT
 GTGAAGACAGCAGTGCCATTGTCTTTGGAAAGCTATCACATATCTGAAGAGTATGGCTTT
 CTCTTCCAGATTCTCTGAAAGAACTTCCAGATCATTATAGGCCTTGGATGGAAATTGCC
 AACAACTTCCCTCAATTGATTGATGCTCACCAGCTTCAAGCTCATGTGGACAAGATGCC
 CTGCTGAGCTGCCAGTTCCTGAAGGGTCACCGGGAGCAGCGCCTGGCCACCTGGTCTG
 AGCTTCTCACCATGGGTATGTCTGGCAGGAAGGAGAGGCGCAGCCTGCAGAGGTCCTG
 CCAAGGAATCTTGCCCTCCATTTGTGGAAGTCTCCAGGAACCTGGGGCTCCCTCCTATC
 CTGGTCCACTCAGACTTGGTGTGACGAACTGGACAAAAAGATCCAGACGGATTCCTG
 GAAATTGGGAACCTGGAGACCATCATCTCATTCTGGGGGAGAGAGCCTGCATGGTTTT
 ATACTGGTGACTGCTTTGGTAGAGAAAGAGCAGTGCCTGGGATAAAGGCTCTTGTTCAG
 GCCACGAATGCTATCTTGACGCCAACCAGGAGGCCCTGCTCAAAGCCCTGCAGGACTG
 AGACTGTCTATTTCAGGACATCACAAAACCTTAGGACAGATGCATGATTATGTAGATCCA
 GACATATTTTATGCAGGCATCCGGATCTTTCTCTCTGGATGGAAAGACAACCCAGCAATG
 CCTGCAGGGCTGATGTATGAAGGAGTTTCCCAAGGCCCTGAAATACTCCGGCGGGAGT
 GCAGCTCAGAGCACAGTGCTTATGCCTTTGATGAGTTCTTAGGCATTTCGTCATAGCAAG
 GAAAGTGGTGACTTTCTGTACAGAATGAGGGATTACATGCCTCCTCCATAAGGCCCTTC
 ATAGAAGACATCCACTCAGCACCTTCCCTGAGGGACTACATCCTGTCATCTGGACAGGAC
 CACTTGGTGCAGCTTATAACCAAGTGTGTGCAGGCCCTGGCAGAGCTGCGGAGCTATCAC
 ATCACCATGGTACCAAATACCTCATCACAGCTGCAGCCAAGGCAAGCATGGGAAGCCA
 AACCATCTCCAGGGCCTCCTCAGGCTTTAAAAGACAGGGGCACAGGTGGAACCGCAGTT
 ATGAGCTTTCTTAAGAGTGTGAGGATAAGACCTTGGAGTCAATCCTTACCCACGTGGT
 TAG

Restriction Sites:	Please inquire
ACCN:	NM_194294



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Insert Size:	1300 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>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. More info</p>
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_194294.1 , NP_919270.1
RefSeq Size:	3923 bp
RefSeq ORF:	519 bp
Locus ID:	169355
UniProt ID:	Q6ZQW0
Cytogenetics:	8p11.21
Protein Pathways:	Metabolic pathways, Tryptophan metabolism
Gene Summary:	Along with the enzymes encoded by the INDO (MIM 147435) and TDO2 (MIM 191070) genes, the enzyme encoded by the INDOL1 gene metabolizes tryptophan in the kynurenine pathway (Ball et al., 2007 [PubMed 17499941]).[supplied by OMIM, Feb 2011]