

## Recombinant Mouse Tdo2 Protein, Myc/DDK-tagged

Cat. No. Tdo2-6347M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length tryptophan 2,3-dioxygenase (Tdo2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</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.
<b>Molecular Mass</b>	47.8 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

### GENE INFORMATION


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<b>Gene Name</b>	Tdo2 tryptophan 2,3-dioxygenase [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Tdo2
<b>Synonyms</b>	TDO2; tryptophan 2,3-dioxygenase; TRPO; tdo variant1; tdo variant2; tryptophanase; tryptophan oxygenase; tryptophan pyrrolase; tryptamin 2,3-dioxygenase; tryptophan-2,3-dioxygenase; TO; TDO; chky; AA407491
<b>Gene ID</b>	56720
<b>mRNA Refseq</b>	NM_019911
<b>Protein Refseq</b>	NP_064295
<b>UniProt ID</b>	P48776

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