Recombinant Mouse Tdo2 Protein, Myc/DDK-tagged

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

SPECIFICATION

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

GENE INFORMATION

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Gene Name	Tdo2 tryptophan 2,3-dioxygenase [Mus musculus (house mouse)]
Official Symbol	Tdo2
Synonyms	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
Gene ID	56720
mRNA Refseq	NM_019911
Protein Refseq	NP_064295
UniProt ID	P48776

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