

Product datasheet for **TP506377**

Tdo2 (NM_019911) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse tryptophan 2,3-dioxygenase (Tdo2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206377 protein sequence Red =Cloning site Green =Tags(s)

MSGCPFAGNSVGYTLKNVSMEDNEEDRAQTGVNRASKGGLIYGNYLQLEKILNAQELQSEVKGNKIHDEH
LFIITHQAYELWFKQILWELDSVREIFQNGHVRDERNMLKVIARMHRVWVIFKLLVQQFSVLETMTALDF
NDFREYLSPASGFQSLQFRLLNKIGVLQSLRVPYNRKHYRDNFGGDYNELLLKSEQEQTLLQLVEAWLE
RTPGLEPNGFNFWGKFEKNILKLEEEFLRIQAKTDSEEKKEEQMAEFRKQKEVLLCLFDEKRHDYLLSKG
ERRLSYRALQGALMIYFYREEPRFQVPPFQLLTSMDIDTLMTKWRYNHVCMVHRMLGTKAGTGGSSGYHY
LRSTVSDRYKVFVDLFLNLSTYLVPRHWWPKMNPPIHKFLYTAEYSDSSYFSSDES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	47.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_064295
Locus ID:	56720
UniProt ID:	P48776 , Q8VCW3



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RefSeq Size:	1646
Cytogenetics:	3 E3
RefSeq ORF:	1221
Synonyms:	AA407491; chky; TDO; TO
Summary:	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.[UniProtKB/Swiss-Prot Function]