

Recombinant Mouse TDO2 Protein (1-406 aa), His-tagged

Cat. No. TDO2-1536M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse TDO2 Protein (1-406 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
Species	Mouse
Source	Yeast
ProteinLength	1-406 aa
Description	Incorporates oxygen into the indole moiety of tryptophan. Has a broad specificity towards tryptamine and derivatives including D- and L-tryptophan, 5-hydroxytryptophan and serotonin.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	49.8 kDa
AA Sequence	MSGCPFAGNSVG YTLKNVSMEDNEEDRAQTGVNRASKGGLIYGNYLQLEKILNAQE LQSEVKGNKIHDEHLFIITHQAYELWFKQILWELDSVREIFQNGHV RDERNMLKVIAR MHRVVVIFKLLVQQFSVLETMTALDFNDFREYLSPASGFQSLQFRLL ENKIGVLQSLR VPYNRKHYRDNFGGDYNELLLKSEQEQTLLQLVEAWLERTPGLEPNGFNFWGKFE KNILKGLEEEFLRIQAKTDSEEKEEQMAEFRKQKEVLLCLFDEKRDHYLLSKGERRLS YRALQGALMIYFYREEPRFQVPFQLLTS LMDIDTLMTKWRYNHVCMVHRMLG TKAG TGGSSGYHYLRSTVSDRYKVFVDL FNLSTYLVPRHWWPKMNP IHHKFLYTAEYSDSS

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	YFSSDESD
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

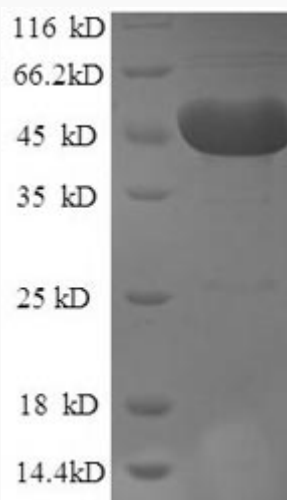
GENE INFORMATION

Gene Name	Tdo2 tryptophan 2,3-dioxygenase [Mus musculus]
Official Symbol	TDO2
Synonyms	TDO2; TRPO; tdo variant1; tdo variant2; tryptophanase; TO; TDO; chky; AA407491;
Gene ID	56720
mRNA Refseq	NM_019911
Protein Refseq	NP_064295
UniProt ID	P48776

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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