

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

Cat. No. TDO2-1535H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TDO2 Protein (1-406 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Metabolism. Protein Description: Full Length.
Species	Human
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	49.9 kDa
AA Sequence	MSGCPFLGNNFGYTFFKKLPVEGSEEDKSQTGVNRASKGGLIYGNYLHLEKVLNAQE LQSETKGNKIHDEHLFIITHQAYELWFKQILWELDSVREIFQNGHVRDERNMLKVVS MHRVSVILKLLVQQFSILETMTALDFNDFREYLSPASGFQSLQFRLLLENKIGVLQNM VPYNRRHYRDNFKGEENELLLKSEQKTLLELVEAWLERTPGLEPHGFNFWGKLEK NITRGLEEEFIRIQAKEESEEEQVAEFQKQKEVLLSLFDEKRHEHLLSKGERRLSY RALQGALMIYFYREEPRFQVPFQLTSLMDIDSLMTKWRYNHVCMVHRMLGSKAGT GGSSGYHYLRSTVSDRYKVFVDLFLNSTYLIPRHWIPKMNP TIHKFLYTAEYCDSSYF

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	SSDESD
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.

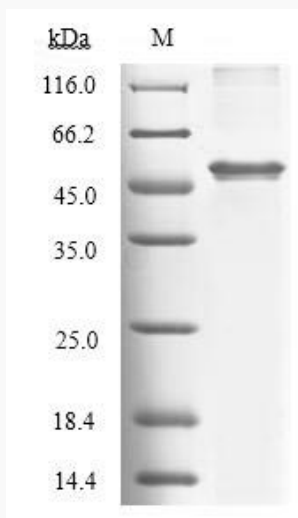
GENE INFORMATION

Gene Name	TDO2 tryptophan 2,3-dioxygenase [Homo sapiens]
Official Symbol	TDO2
Synonyms	TDO2; TDO; TPH2; tryptophanase; TO; TRPO;
Gene ID	6999
mRNA Refseq	NM_005651
Protein Refseq	NP_005642
MIM	191070
UniProt ID	P48775

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

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