

Recombinant Human TDO2 protein, His-tagged

Cat. No. TDO2-3408H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TDO2 protein(55-406 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	55-406 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	QELQSETKGNKIHDEHLFIITHQAYELWFKQILWELDSVREIFQNGHVRDERNMLKVV SRMHRVSVILKLLVQQFSILETMTALDFNDFREYLSPASGFQSLQFRLLLENKIGVLQN MRVPYNRRHYRDNFKGEENELLLKSEQEKTLLLELVEAWLERTPGLEPHGFNFWGKL EKNITRGLLEEFIRIQAKEESEKEEQVAEFQKQKEVLLSLFDEKRHEHLLSKGERLL SYRALQGALMIYFYREEPRFQVPFQLLTSMDIDSLMTKWRYNHVCMVHRMLGSKA GTGGSSGYHYLRSTVSDRYKVFVDLNLSTYLIPRHWIPKMNPTIHKFLYTAEYCD SYFSSDESD
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.
 Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name [TDO2 tryptophan 2,3-dioxygenase \[Homo sapiens \]](#)

Official Symbol [TDO2](#)

Synonyms TDO2; tryptophan 2,3-dioxygenase; TDO; TPH2; tryptophanase; tryptophan oxygenase; tryptophan pyrrolase; tryptamin 2,3-dioxygenase; TO; TRPO;

Gene ID [6999](#)

mRNA Refseq [NM_005651](#)

Protein Refseq [NP_005642](#)

MIM [191070](#)

UniProt ID [P48775](#)

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