

## Recombinant Human TDO2

**Cat. No.** TDO2-31212TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human TDO2 protein, 46.7kDa .
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Tryptophan 2,3-dioxygenase (EC 1.13.11.11) plays a role in catalyzing the first and rat-limiting step in the kynurenine pathway, the major pathway of tryptophan metabolism.
<b>Form</b>	Liquid
<b>Storage buffer</b>	Preservative: None Constituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Sequence Similarities</b>	Belongs to the tryptophan 2,3-dioxygenase family.
<b>Full Length</b>	Full L.

### GENE INFORMATION

<b>Gene Name</b>	TDO2 tryptophan 2,3-dioxygenase [ Homo sapiens ]
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<b>Official Symbol</b>	TDO2
<b>Synonyms</b>	TDO2; tryptophan 2,3-dioxygenase; TDO; TPH2;
<b>Gene ID</b>	6999
<b>mRNA Refseq</b>	NM_005651
<b>Protein Refseq</b>	NP_005642
<b>MIM</b>	191070
<b>Uniprot ID</b>	P48775
<b>Chromosome Location</b>	4q31-q32
<b>Pathway</b>	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Monoamine Transport, organism-specific biosystem; NAD biosynthesis II (from tryptophan), conserved biosystem;
<b>Function</b>	amino acid binding; heme binding; metal ion binding; oxidoreductase activity; oxygen binding;

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