

Recombinant Human TDO2

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

SPECIFICATION

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

GENE INFORMATION

Gene Name	TDO2 tryptophan 2,3-dioxygenase [Homo sapiens]
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Official Symbol	TDO2
Synonyms	TDO2; tryptophan 2,3-dioxygenase; TDO; TPH2;
Gene ID	6999
mRNA Refseq	NM_005651
Protein Refseq	NP_005642
MIM	191070
Uniprot ID	P48775
Chromosome Location	4q31-q32
Pathway	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;
Function	amino acid binding; heme binding; metal ion binding; oxidoreductase activity; oxygen binding;

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