

Recombinant Human IDO2 protein, MYC/DDK-tagged

Cat. No. IDO2-23H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IDO2 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	Along with the enzymes encoded by the INDO (MIM 147435) and TDO2 (MIM 191070) genes, the enzyme encoded by the INDOL1 gene metabolizes tryptophan in the kynurenine pathway (Ball et al., 2007 [PubMed 17499941]).
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	46.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	IDO2 indoleamine 2,3-dioxygenase 2 [Homo sapiens]
Official Symbol	IDO2

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Synonyms	IDO2; indoleamine 2,3-dioxygenase 2; INDOL1, indoleamine pyrrole 2,3 dioxygenase like 1; IDO-2; indoleamine 2,3-dioxygenase-like 1 protein; indoleamine 2,3-dioxygenase-like protein 1; indoleamine-pyrrole 2,3 dioxygenase-like 1; indoleamine-pyrrole 2,3-dioxygenase-like protein 1; INDOL1;
Gene ID	169355
mRNA Refseq	NM_194294
Protein Refseq	NP_919270
MIM	612129
UniProt ID	Q6ZQW0
Chromosome Location	8p11.21
Pathway	African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Tryptophan catabolism, organism-specific biosystem; Tryptophan metabolism, organism-specific biosystem;
Function	heme binding; indoleamine 2,3-dioxygenase activity; indoleamine 2,3-dioxygenase activity; metal ion binding; oxidoreductase activity; tryptophan 2,3-dioxygenase activity;