

Recombinant Rat Ido1 Protein, His-tagged

Cat. No. Ido1-36R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Ido1 fused with His tag was expressed in E. coli.
Species	Rat
Source	E.coli
Description	IDO1 / IDO is indoleamine 2,3-dioxygenase (IDO) - a heme enzyme that catalyzes the first and rate-limiting step in tryptophan catabolism to N-formyl-kynurenine. This enzyme acts on multiple tryptophan substrates including D-tryptophan, L-tryptophan, 5-hydroxy-tryptophan, tryptamine, and serotonin. This enzyme is thought to play a role in a variety of pathophysiological processes such as antimicrobial and antitumor defense, neuropathology, immunoregulation, and antioxidant activity.
Form	Lyophilized from PBS, pH 7.4, 0.01% Sarcosyl, 1 mM DTT, 5% Trehalose, Proclin300.
Molecular Mass	10.7 kDa
Purity	Greater than 95%
Storage	Store at +4 centigrade for up to 1 month, or aliquot and store at -80 centigrade for up to 12 months. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute in sterile PBS, pH 7.2-7.4.

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GENE INFORMATION

Gene Name [Ido1 indoleamine 2,3-dioxygenase 1 \[Rattus norvegicus \]](#)

Official Symbol [Ido1](#)

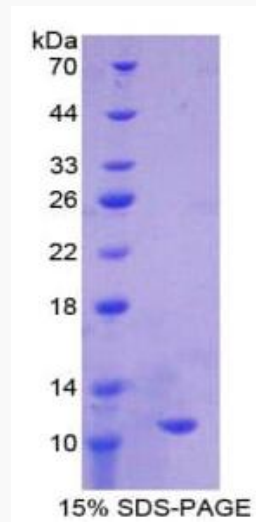
Synonyms IDO1; indoleamine 2,3-dioxygenase 1; IDO-1; indoleamine 23-dioxygenase; indoleamine-pyrrole 2,3 dioxygenase; indoleamine-pyrrole 2,3-dioxygenase; Ido; Indo;

Gene ID [66029](#)

mRNA Refseq [NM_023973](#)

Protein Refseq [NP_076463](#)

UniProt ID [Q9ERD9](#)



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