CREATIVE BIOMART® Biomarker
45-1 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-559-9269 1-516-512-3133 | Email: info@creative-biomart.com

Product Information

Recombinant Human IDO1 Protein, His/Avi-tagged

Product Information

Catalog#	MK0933H
Product Name	Recombinant Human IDO1 Protein, His/Avi-tagged
Product Overview	Human IDO1, also known as Indoleamine 2,3-dioxygenase 1, a.a. 2-403(end) with an N-terminal His-Avi-Tag, was expressed in an E. coli cell expression system.
Description	This gene encodes 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. Through its expression in dendritic cells, monocytes, and macrophages this enzyme modulates T-cell behavior by its peri-cellular catabolization of the essential amino acid tryptophan.
Source	E. coli
Species	Human
Tag	His/Avi
Formulation	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04 % Tween 20, 20 % glycerol
Storage	At -80 centigrade
Molecular Mass	48 kDa
Stability	At least 6 months at -80 centigrade