

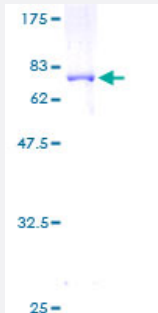
Full-Length

IDO1 (Human) Recombinant Protein (P01)

Catalog # H00003620-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human IDO1 full-length ORF (AAH27882, 1 a.a. - 403 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAHAMENSWTISKEYHIDEEVGFALPNPQENLPDFYNDWMFIAKHLPDLIESGQLRERVEKLNML
SIDHLTDHKSQRLARLVLCITMAYVWGKGHDVRKVLPRNIAVPYCQLSKKLELPPILVYADCVL
ANWKKKDPNKPLTYENMDVLFSTRDGDSCSGFFLVSLLEIAAASAIKVIPTVFKAMQMQRDTL
LKALLEIASCLEKALQVFHQIHQHDVNPKAFFSVLRMYLSGWKGNPQLSDGLVYEGFWEDPKEFAG
GSAGQSSVFQCFDVLGQQTAGGGHAAQFLQDMRRYMPPAHRNFLCSLESNPSVREFVLSKG
DAGLREAYDACVKALVSLRSYHLQIVTKYLIPASQQPKENKTSEDPSKLEAKGTGGTDLNMLKT
VRSTTEKSLLKEG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

70.07

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — IDO1

Entrez GeneID	3620
GeneBank Accession#	BC027882
Protein Accession#	AAH27882
Gene Name	IDO1
Gene Alias	CD107B, IDO, INDO
Gene Description	indoleamine 2,3-dioxygenase 1
Omim ID	147435
Gene Ontology	Hyperlink
Gene Summary	Gamma-interferon (IFNG; MIM 147570) has an antiproliferative effect on many tumor cells and inhibits intracellular pathogens such as Toxoplasma and Chlamydia, at least partly because of the induction of indoleamine 2,3-dioxygenase (INDO; EC 1.13.11.52). This enzyme catalyzes the degradation of the essential amino acid L-tryptophan to N-formyl-kynurenine.[supplied by OMIM]
Other Designations	indole 2,3-dioxygenase indoleamine-pyrrole 2,3 dioxygenase

Pathway

- [Metabolic pathways](#)
- [Tryptophan metabolism](#)

Disease

- [Hepatitis C](#)
- [Multiple Sclerosis](#)
- [Pre-Eclampsia](#)