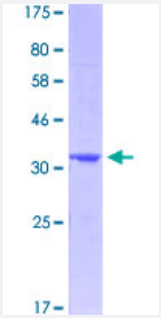
IDO1 (Human) Recombinant Protein (Q01)

Catalog # H00003620-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human IDO1 partial ORF (NP_002155.1, 304 a.a. - 403 a.a.) recombinant protein with GST tag at N-terminal.
Sequence	RNFLCSLESNPSVREFVLSKGDAGLREAYDACVKALVSLRSYHLQIVTKYILIPASQQPKENKTSE DPSKLEAKGTGGTDLMNFLKTVRSTTEKSLLKEG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
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#	NM_002164.1
Protein Accession#	NP_002155.1
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 inh ibits intracellular pathogens such as Toxoplasma and Chlamydia, at least partly because of the in duction of indoleamine 2,3-dioxygenase (INDO; EC 1.13.11.52). This enzyme catalyzes the degra dation 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