

## Recombinant Human IDO1 protein(Ala2-Gly403), His-tagged

Cat. No. IDO1-3920H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IDO1 (P14902-1) (Ala 2-Gly 403) was expressed in E. coli, with a polyhistidine tag at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	2-403 a.a.
<b>Form</b>	Supplied as sterile 50mM Tris, 0.15M NaCl, 10% glycerol, pH 8.0.
<b>Bio-activity</b>	Measured by its ability to oxidize L-tryptophan to N-formylk-ynurenine. The specific activity is > 400 pmoles/min/μg.
<b>Molecular Mass</b>	The recombinant human IDO1 consisting of 409 amino acids and has a calculated molecular mass of 46 kDa. It migrates as an approximately 44 kDa band in SDS-PAGE under reducing conditions.
<b>Purity</b>	> 88 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** IDO1 indoleamine 2,3-dioxygenase 1 [ Homo sapiens ]

**Official Symbol** IDO1

**Synonyms** IDO1; indoleamine 2,3-dioxygenase 1; IDO, INDO, indoleamine pyrrole 2,3 dioxygenase; indole 2,3-dioxygenase; indolamine 2,3 dioxygenase; indoleamine-pyrrole 2,3-dioxygenase; IDO; INDO; IDO-1;

**Gene ID** 3620

**mRNA Refseq** NM\_002164

**Protein Refseq** NP\_002155

**MIM** 147435

**UniProt ID** P14902

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