Active Recombinant Human IDO1 protein, His-tagged

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

SPECIFICATION

Product Overview	Active Recombinant Human IDO1 protein(P14902-1) (Ala 2-Gly 403) was expressed in E.coli, with a polyhistide tag at the N-terminus.
Species	Human
Source	E.coli
ProteinLength	2-403 aa
Form	Lyophilized from sterile 50mM Tris, 0.15M NaCl, 10% glycerol, pH 8.0.
Bio-activity	Measured by its ability to oxidize L-tryptophan to N-formylk-ynurenine. The specific activity is > 400 pmoles/min/μg.
Molecular Mass	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.
Purity	> 88 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	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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