

Active Recombinant Human IDO1 protein

Cat. No. IDO1-7190H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IDO1 protein(NP_002155.1) (Ala2-Gly403) was expressed and purified in E.coli with one additional amino acids (Gly) at the N-terminus.
Species	Human
Source	E.coli
ProteinLength	2-403 aa
Form	Lyophilized from sterile 50 mM NaAC, 100 mM NaCl, 20 % glycerol, pH 5.5.
Bio-activity	Measured by its ability to oxidize L-tryptophan to N-formylk-ynurenine. The specific activity is > 500 pmoles/min/μg.
Molecular Mass	The recombinant human IDO1 consists of 403 amino acids and predicts a molecular mass of 45.2 KDa. It migrates as an approximately 46 KDa band in SDS-PAGE under reducing conditions.
Purity	> 85 % 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.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 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]
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Official Symbol	IDO1
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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
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mRNA Refseq	NM_002164
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Protein Refseq	NP_002155
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MIM	147435
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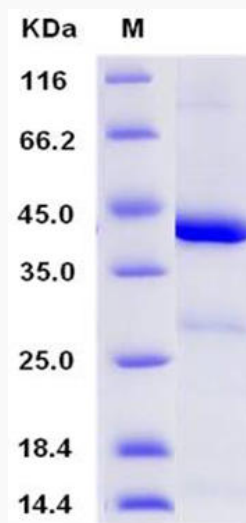
UniProt ID	P14902
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SDS-PAGE



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