# Recombinant Human IDO1 Protein, His-tagged, Alexa Fluor 488 conjugated

**Cat. No.** IDO1-3920HAF488 **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Alexa Fluor 488 conjugated recombinant human IDO1 (P14902-1) (Ala 2-Gly 403), fused with a polyhistide tag at the N-terminus, was produced in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 409 |
| **Form** | Lyophilized |
| **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. |
| **Endotoxin** | < 1.0 EU/ μg of the protein as determined by the LAL method. |
| **Characteristic** | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 488 via amines<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm |
| **Stability** | Samples are stable for up to 12 months from date of receipt at -70 centigrade. |

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| **Storage** | Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| **Storage Buffer** | Lyophilized from sterile 50 mM Tris, 0.15M NaCl, 10% glycerol, pH 8.0 |
| **Reconstitution** | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| **Conjugation** | Alexa Fluor 488 |

## GENE INFORMATION

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| **Gene Name** | IDO1 indoleamine 2,3-dioxygenase 1 [ Homo sapiens ] |
| **Official Symbol** | IDO1 |
| **Gene ID** | 3620 |
| **mRNA Refseq** | NM_002164 |
| **Protein Refseq** | NP_002155 |
| **MIM** | 147435 |
| **UniProt ID** | P14902 |

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