

Recombinant Human IDO1 Protein, His-tagged, Alexa Fluor 647 conjugated

Cat. No. IDO1-3920HAF647 **Lot. No.** (See product label)

SPECIFICATION

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|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Alexa Fluor 647 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 Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 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 647 |

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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