

# Recombinant Human IDO1 Protein, Gly/Pro-tagged, Alexa Fluor 555 conjugated

**Cat. No.** IDO1-7325HAF555    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Alexa Fluor 555 conjugated recombinant human IDO1 (P14902) (Met1-Gly403), fused with two additional amino acids (Gly & Pro) at the N-terminus, was produced in E. coli.                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 405                                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | The recombinant human IDO1 consists of 405 amino acids and predicts a molecular mass of 45.2 kDa. It migrates as an approximately 42 kDa band in SDS-PAGE under reducing conditions.                                                                      |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                              |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 555 via amines<br>With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters. |

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                            |
| <b>Storage</b>        | 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.       |
| <b>Storage Buffer</b> | Lyophilized from a 0.2 µm filtered solution of 50 mM NaAC, 100 mM NaCl, 20% glycerol, pH 5.5                                                                              |
| <b>Reconstitution</b> | 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. |
| <b>Conjugation</b>    | Alexa Fluor 555                                                                                                                                                           |

## GENE INFORMATION

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

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