

# Recombinant Human IDO2 Protein (14-420 aa), His-tagged

**Cat. No.** IDO2-1420H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human IDO2 Protein (14-420 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Metabolism. Protein Description: Partial.                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 14-420 aa                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | Catalyzes the first and rate-limiting step in the kynurenine pathway of tryptophan catabolism.                                                                                                                                                                                                                                                                                                                                                    |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 47.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MEPHRPNVKTAVPLSLESYHISEEYGFLLPDSLKELPDHYRPWMEIANKLPQLIDAH<br>QLQAHVDKMPLLSCQFLKGHREQRLAHLVLSFLTGMGYVWQEGEAQPAEVLPRNLA<br>LPFVEVSRNLGLPPILVHSDLVLTNWTKKDPDGFLEIGNLETIISFPGGESLHGFIIVTA<br>LVEKEAVPGIKALVQATNAILQPNQEALLQALQRLRLSIQDITKTLGQMHDYVDPDIFY<br>AGIRIFLSGWKDNPAMPAGLMYEGVSQEPLKYSGGSAQSTVLHAFDEFLGIRHSK<br>ESGDFLYRMRDYMPPSHKAFIEDIHSAPSLRDYILSSGQDHLTAYNQCVQALAEIR<br>SYHITMVTKYLTAAAKAKHGKPNHLPGPPQALKDRGTGGTAVMSFLKSVRDKTLESI<br>LHPRG |

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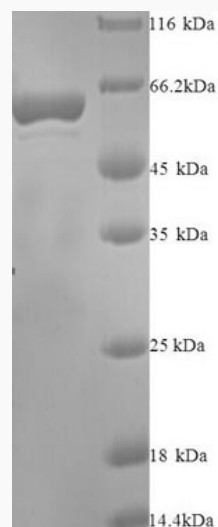
 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>          | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b>    | A hardcopy of COA with reconstitution instruction is sent along with the products.                                                                                                                                                                                                                                  |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>        | IDO2 indoleamine 2,3-dioxygenase 2 [ Homo sapiens ]                                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b>  | IDO2                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>         | IDO2; IDO-2; INDOL1;                                                                                                                                                                                                                                                                                                |
| <b>Gene ID</b>          | 169355                                                                                                                                                                                                                                                                                                              |
| <b>mRNA Refseq</b>      | NM_194294                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>   | NP_919270                                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>              | 612129                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>       | Q6ZQW0                                                                                                                                                                                                                                                                                                              |

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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