

## Recombinant Human TDO2 Protein (1-406 aa), His-tagged

**Cat. No.** TDO2-1535H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TDO2 Protein (1-406 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Metabolism. Protein Description: Full Length.                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 1-406 aa                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | Incorporates oxygen into the indole moiety of tryptophan. Has a broad specificity towards tryptamine and derivatives including D- and L-tryptophan, 5-hydroxytryptophan and serotonin.                                                                                                                                                                                                                                                |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 49.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MSGCPFLGNNFGYTFFKKLPVEGSEEDKSQTGVNRASKGGLIYGNYLHLEKVLNAQE<br>LQSETKGNKIHDEHLFIITHQAYELWFKQILWELDSVREIFQNGHVRDERNMLKVVS<br>MHRVSVILKLLVQQFSILETMTALDFNDFREYLSPASGFQSLQFRLLLENKIGVLQNM<br>VPYNRRHYRDNFKGEENELLLKSEQKTLLELVEAWLERTPGLEPHGFNFWGKLEK<br>NITRGLEEEFIRIQAKEESEEEQVAEFQKQKEVLLSLFDEKRHEHLLSKGERRLSY<br>RALQGALMIYFYREEPRFQVPFQLTSLMDIDSLMTKWRYNHVCMVHRMLGSKAGT<br>GGSSGYHYLRSTVSDRYKVFVDLFLNSTYLIPRHWIPKMNP TIHKFLYTAEYCDSSYF |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

|                      |                                                                                                                                                                                                                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | SSDESD                                                                                                                                                                                                                                                                                                              |
| <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.                                                                                                                                                                                                                                  |

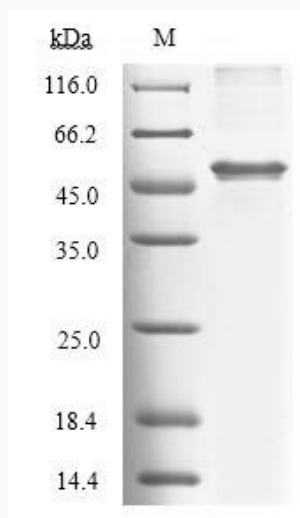
## GENE INFORMATION

|                        |                                                  |
|------------------------|--------------------------------------------------|
| <b>Gene Name</b>       | TDO2 tryptophan 2,3-dioxygenase [ Homo sapiens ] |
| <b>Official Symbol</b> | TDO2                                             |
| <b>Synonyms</b>        | TDO2; TDO; TPH2; tryptophanase; TO; TRPO;        |
| <b>Gene ID</b>         | 6999                                             |
| <b>mRNA Refseq</b>     | NM_005651                                        |
| <b>Protein Refseq</b>  | NP_005642                                        |
| <b>MIM</b>             | 191070                                           |
| <b>UniProt ID</b>      | P48775                                           |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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



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

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

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