

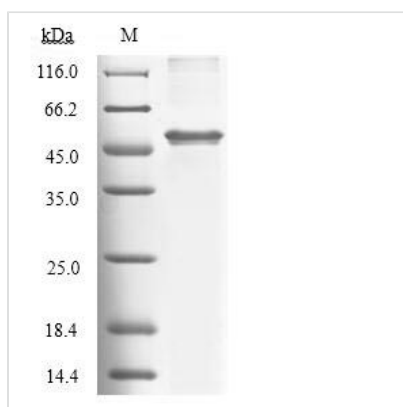


# Recombinant Human Tryptophan 2,3-dioxygenase (TDO2)

<b>Product Code</b>	CSB-YP023351HU
<b>Relevance</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>Abbreviation</b>	Recombinant Human TDO2 protein
<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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P48775
<b>Alias</b>	Tryptamin 2,3-dioxygenase
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MSGCPFLGNNFGYTFKKLPVEGSEEDKSQTGVNRASKGGLIYGNYLHLEKVL NAQELQSETKGNKIHDEHLFIITHQAYELWFKQILWELDSVREIFQNGHVNDER NMLKVVSRMHRVSVILKLLVQQFSILETMTALDFNDFREYLSPASGFQSLQFRL LENKIGVLQNMVRVPYNRRHYRDNFKGEENELLLKSEQEKTLELVEAWLERTP GLEPHGFNFWGKLEKNITRGLLEEFIRIQAKEESEEEKQVAEFQKQKEVLLSL FDEKRHEHLLSKGERRLSYRALQGALMIYFYREEPRFQVPPFQLLTSMDIDSL MTKWRYNHVCMVHRMLGSKAGTGGSSGYHYLRSTVSDRYKVFVDLNLSTY LIPRHWIPKMNPTIHKFLYTAEYCDSSYFSSDESD
<b>Research Area</b>	Metabolism
<b>Source</b>	Yeast
<b>Target Names</b>	TDO2
<b>Protein Names</b>	Recommended name: Tryptophan 2,3-dioxygenase Short name= TDO EC= 1.13.11.11 Alternative name(s): Tryptamin 2,3-dioxygenase Tryptophan oxygenase Short name= TO Short name= TRPO Tryptophan pyrrolase Tryptophan
<b>Expression Region</b>	1-406aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	49.9kDa
<b>Protein Length</b>	Full Length



## Image



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

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

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