

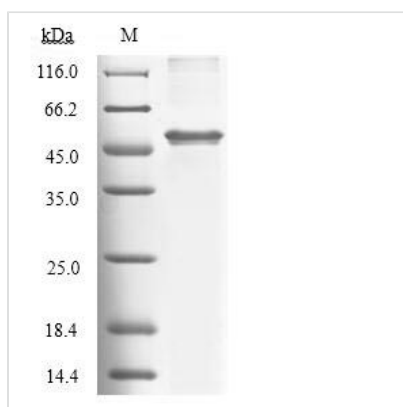


Recombinant Human Tryptophan 2,3-dioxygenase (TDO2)

Product Code	CSB-YP023351HU
Relevance	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 .
Abbreviation	Recombinant Human TDO2 protein
Storage	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.
Uniprot No.	P48775
Alias	Tryptamin 2,3-dioxygenase
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MSGCPFLGNNFGYTFKKLPVEGSEEDKSQTGVNRASKGGLIYGNYLHLEKVL NAQELQSETKGNKIHDEHLFIITHQAYELWFKQILWELDSVREIFQNGHVRDER NMLKVVSRMHRVSVILKLLVQQFSILETMTALDFNDFREYLSPASGFQSLQFRL LENKIGVLQNMVRPYNRRHYRDNFKGEENELLLKSEQEKTLLLELVEAWLERTP GLEPHGFNFWGKLEKNITRGLLEEFIRIQAKEESEKEEQVAEFQKQKEVLLSL FDEKRHEHLLSKGERRLSYRALQGALMIYFYREEPRFQVPFQLLTSMDIDSL MTKWRYNHVCMVHRMLGSKAGTGGSSGYHYLRSTVSDRYKVFVDFLNLSTY LIPRHWIPKMNPTIHKFLYTAEYCDSSYFSSDES
Research Area	Metabolism
Source	Yeast
Target Names	TDO2
Protein Names	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
Expression Region	1-406aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	49.9kDa
Protein Length	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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