

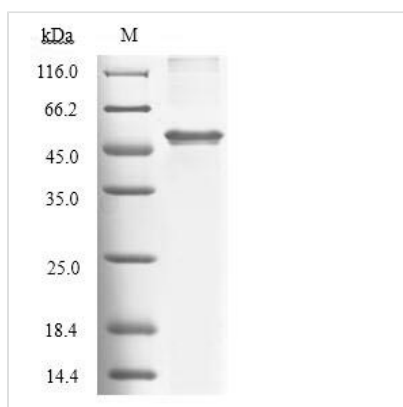


Recombinant Human Tryptophan 2,3-dioxygenase(TDO2)

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 .
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
Storage Buffer	Tris-based buffer,50% glycerol
Alias	Tryptamin 2,3-dioxygenase
Product Type	Recombinant Protein
Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MSGCPFLGNNFGYTFKKLPVEGSEEDKSQTGVNRASKGGLIYGNYLHLEKVL NAQELQSETKGNKIHDEHLFIITHQAYELWFKQILWELDSVREIFQNGHVRDER NMLKVVSRMHRVSVILKLLVQQFSILETMTALDFNDFREYLSPASGFQSLQFRL LENKIGVLQNMVRPYNRRHYRDNFKGEENELLLKSEQEKTLLELVEAWLERTP GLEPHGFNFWGKLEKNITRGLEEEFIRIQAKEESEEEQVAEFQKQKEVLLSL FDEKRHEHLLSKGERRLSYRALQGALMIYFYREEPRFQVPFQLTSLMDIDSL MTKWRYNHVCMVHRMLGSKAGTGGSSGYHYLRSTVSDRYKVFVDLNLSTY LIPRHWIPKMNPITHKFLYTAEYCDSSYFSSDESD
Research Area	Metabolism
Source	Yeast
Gene 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 Description	Full Length



Image



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