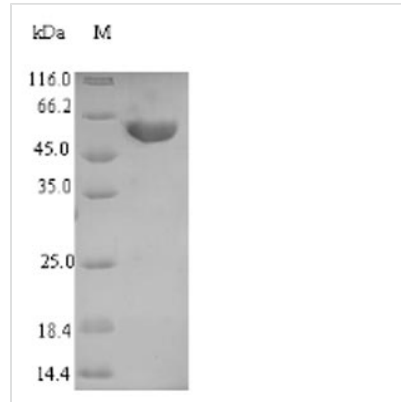




Recombinant Rat Tryptophan 2,3-dioxygenase UniRule annotation (Tdo2)

Product Code	CSB-EP023351RA
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 Rat 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.	P21643
Alias	Tryptamin 2,3-dioxygenase Tryptophan oxygenase Tryptophan pyrrolase Tryptophanase
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MSGCPFSGNSVGYTLKNLSMEDNEEDGAQTGVNRASKGGLIYGDYLLQLEKIL NAQELQSEIKGNKIHDEHLFIITHQAYELWFKQILWELDSVREIFQNGHVRDER NMLKVMTRMHRVVVIFKLLVQQFSVLETMTALDFNDFREYLSPASGFQSLQFR LLENKIGVLQSLRVPYNRKHRYRDNFEGDYNELLLKSESEQTLLQLVEAWLERT PGLEPHGFNFWGKFEKNILKGLEEEFLKIQAKKDSEEKEEQMAEFRKQKEVLL CLFDEKRHDYLLSKGERRLSYRALQGALMIYFYREEPRFQVPFQLLTSLMDIDT LMTKWRYNHVCMVHRMLGSKAGTGGSSGYYYYLRSTVSDRYKVFVDLFLNLSS YLVPRHWIPKMNPIIHKFLYTAEYSDSSYFSSDES
Research Area	Metabolism
Source	E.coli
Target Names	Tdo2
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-SUMO-tagged
Mol. Weight	63.9kDa
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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