



# Recombinant Rat Tryptophan 2,3-dioxygenase (Tdo2)

<b>Product Code</b>	CSB-BP023351RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P21643
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MSGCPFSGNS VGYTLKNLSM EDNEEDGAQT GVNRASKGGL IYGDYLQLEK ILNAQELQSE IKGKNIHDEH LFIITHQAYE LWFKQILWEL DSVREIFQNG HVRDERNMLK VMTRMHRVVV IFKLLVQQFS VLETMTALDF NDFREYLSPA SGFQSLQFRL LENKIGVLQS LRVPYNRKHY RDNFEGDYNE LLLKSEQEQT LLQLVEAWLE RTPGLEPHGF NFWGKFEKNI LKGLEEEFLK IQAKKDSEEK EEQMAEFRKQ KEVLLCLFDE KRHDYLLSKG ERRLSYRALQ GALMIYFYRE EPRFQVPFQL LTSLMDIDTL MTKWRYNHVC MVHRMLGSKA GTGGSSGYYY LRSTVSDRYK VFVDLNLSS YLVPRHWIPK MNPIIHKFLY TAEYSDSSYF SSDESD
<b>Source</b>	Baculovirus
<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>	1-406
<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>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Reconstitution</b>	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.
<b>Shelf Life</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.