



Recombinant Rat Tryptophan 2,3-dioxygenase (Tdo2)

Product Code	CSB-MP023351RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P21643
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	MSGCPFSGNS VGYTLKNLSM EDNEEDGAQT GVNRASKGGL IYGDYQLQLEK 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
Source	Mammalian cell
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	1-406
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
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	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.