

# Human TDO2 Recombinant Protein



RPPB2309

---

## Product Information    Protein Information

**Product SKU:**

RPPB2309

**Accession:**

P48775

**Host:**

Escherichia Coli.

**Protein description:**

TDO2 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 426 amino acids (1-406 a.a.) and having a molecular mass of 50kDa. The TDO2 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

Tryptophan 2,3-dioxygenase, TDO, Tryptamin 2,3-dioxygenase, Tryptophan oxygenase, TO, TRPO, Tryptophan pyrrolase, Tryptophanase, TDO2, TPH2.

**Formulation:**

The TDO2 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 5mM DTT, 1mM EDTA and 30% glycerol.

**Purity:**

Greater than 90.0% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

MGSSHHHHHH SGLVPRGSH MSGCPFLGNN FG YTFKLPV EGSEEDKSQT GVN RASKGGL IYGNYLHLEK  
VLNAQELQSE TKGNIHDEH LFIITHQAYE LWFKQLWEL DSVREIFQNG HVRDERNMLK VVSRMHRVSV  
ILKLLVQQFS ILETMTALDF NDFREYLSPA SGFQSLQFRL LENKIGVLQN MRVPYNNRRHY RDNFKGEENE  
LLLKSEQEK LLELVEAWLE RTPGLEPHGF NFWGKLEKNI TRGLEEFIR IQAKEESEK EEQVAEFQKQ  
KEVLLSLFDE KRHEHLLSKG ERRLSYRALQ GALMIYFYRE EPRFQVPFQL LSLMDIDSL MTKWRYNHVC  
MVHRMLGSKA GTGGSSGYHY LRSTVSDRYK VFVDFNLST YLIPRHWIPK MNPTIHKFLY TAEYCDSSYF  
SSESD.