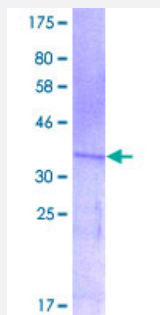


TDO2 (Human) Recombinant Protein (Q01)

Catalog # H00006999-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human TDO2 partial ORF (NP_005642, 307 a.a. - 405 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PFQLLTSLMDIDSLMTKWRYNHVCMVHRMLGSKAGTGGSSGYHYLRSTVSDRYKVFVDLFLNLSTYLIPRHWIPKMNPTIHKFLYTAEYCDSSYFSSDES
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TDO2

Entrez GeneID	6999
GeneBank Accession#	NM_005651
Protein Accession#	NP_005642
Gene Name	TDO2
Gene Alias	TDO, TPH2, TRPO
Gene Description	tryptophan 2,3-dioxygenase
Omim ID	191070
Gene Ontology	Hyperlink
Gene Summary	Tryptophan 2,3-dioxygenase (EC 1.13.11.11) plays a role in catalyzing the first and rat-limiting step in the kynurenine pathway, the major pathway of tryptophan metabolism.[supplied by OMIM]
Other Designations	Tryptophan oxygenase

Pathway

- [Metabolic pathways](#)
- [Tryptophan metabolism](#)

Disease

- [Bipolar Disorder](#)

- [Genetic Predisposition to Disease](#)
- [Postmortem Changes](#)
- [Schizophrenia](#)