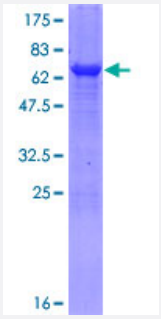
Full-Length

TDO2 (Human) Recombinant Protein (P01)

Catalog # H00006999-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human TDO2 full-length ORF (NP_005642.1, 1 a.a. - 406 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSGCPFLGNNFGYTFKKLPVEGSEEDKSQTGVNRASKGGLIYGNYLHLEKVLNAQELQSETKGN KIHDEHLFIITHQAYELWFKQILWELDSVREIFQNGHVRDERNMLKVVSRMHRVSVILKLLVQQFSIL ETMTALDFNDFREYLSPASGFQSLQFRLLENKIGVLQNMRVPYNRRHYRDNFKGEENELLLKSEQ EKTLLELVEAWLERTPGLEPHGFNFWGKLEKNITRGLEEEFIRIQAKEESEEKEEQVAEFQKQKE VLLSLFDEKRHEHLLSKGERRLSYRALQGALMIYFYREEPRFQVPFQLLTSLMDIDSLMTKWRYNH VCMVHRMLGSKAGTGGSSGYHYLRSTVSDRYKVFVDLFNLSTYLIPRHWIPKMNPTIHKFLYTAEY CDSSYFSSDESD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	74.3
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_005651.1
Protein Accession#	NP_005642.1
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 ste p 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