

Product datasheet for **AR09879PU-N**

TDO2 / TDO (1-406, His-tag) Human Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | TDO2 / TDO (1-406, His-tag) human recombinant protein, 50 µg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | <u>MGSSHHHHHH SSGLVPRGSH</u> MSGCPFLGNN FGYTFKKLPV EGSEEDKSQT GVNRASKGGL IYGNYLHLEK VLNAQELQSE TKGNIKHDEH LFIITHQAYE LWFKQILWEL DSVREIFQNG HVRDERNMLK VSRMHRVSV ILKLLVQQFS ILETMTALDF NDFREYLSPA SGFQSLQFRL LENKIGVLQN MRVPYNRRHY RDNFKGEENE LLLKSEQEK LLELVEAWLE RTPGLEPHGF NFWGKLEKNI TRGLEEEFIR IQAKEESEK EEQVAEFQKQ KEVLLSLFDE KRHEHLLSKG ERRLSYRALQ GALMIYFYRE EPRFQVPFQL LTSLMDIDSL MTKWRYNHVC MVHRMLGSKA GTGGSSGYHY LRSTVSDRYK VFVDLNLST YLIPRHWIPK MNPTIHKFLY TAEYCDSSYF SDES |
| Tag: | His-tag |
| Concentration: | lot specific |
| Purity: | >90% |
| Buffer: | Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 5 mM DTT, 1 mM EDTA, 30% glycerol |
| Preparation: | Liquid purified protein |
| Protein Description: | Recombinant human TDO2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| Storage: | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| RefSeq: | <u>NP_005642</u> |
| Locus ID: | 6999 |
| UniProt ID: | <u>P48775</u> |
| Cytogenetics: | 4q32.1 |



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Synonyms: HYPTRP; TDO; TO; TPH2; TRPO

Summary: This gene encodes a heme enzyme that plays a critical role in tryptophan metabolism by catalyzing the first and rate-limiting step of the kynurenine pathway. Increased activity of the encoded protein and subsequent kynurenine production may also play a role in cancer through the suppression of antitumor immune responses, and single nucleotide polymorphisms in this gene may be associated with autism. [provided by RefSeq, Feb 2012]

Protein Pathways: Metabolic pathways, Tryptophan metabolism

Product images:

