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## Datasheet for ABIN1612851 TD02 Protein (AA 1-406) (His tag)

### Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | TD02  |
| Protein Characteristics:      | AA 1-406                                    |
| Origin:                       | Xenopus laevis                              |
| Source:                       | Yeast                                       |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This TD02 protein is labelled with His tag. |
| Application:                  | ELISA                                       |

### Product Details

|                  |   |
|------------------|---|
| Sequence:        | MSGCPFMAKK HHFTFSELSL EDKHEDNSQE GLNKASKGGL IYGDYLQLDK VLNAQELQSE<br>KKGNIKHDEH LFIVTHQAYE LWFKQILWEL DSVREIFQNG HVRDERNMLK VVARIHRISM<br>ILKLLVEQFS VLETMTAMDF FDFRDYLSPA SGFQSLQFRL LENKIGVPEI LRVYPNRRHY<br>RDNFKGETNE LLLRSEQEPT LLGLVEAWLE RTPGLEEEGF HFWGKLEVNI FRALEELQA<br>AKTKPDSEDK EEHLAELQKQ KELFGALFDE RRHEHLLSKG ERRLSYKALK GALMINFYRE<br>EPRFQVPFQL LTSLMEIDTL MTKWRYNHVC MVHRMIGSKA GTGGSSGYQY LRSTVSDRYK<br>VFVDLFNLST YLVPRHWVPR LNPSIHKFLY TAECCDSSYF SSDDSD |
| Specificity:     | Xenopus laevis (African clawed frog)  |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.  |
| Purity:          | > 90 %  |

## Target Details

|             |   |
|-------------|---|
| Target:     | TD02  |
| Abstract:   | <a href="#">TD02 Products</a>   |
| Background: | <p>Recommended name: Tryptophan 2,3-dioxygenase.</p> <p>Short name= TDO.</p> <p>EC= 1.13.11.11.</p> <p>Alternative name(s): Tryptamin 2,3-dioxygenase Tryptophan oxygenase.</p> <p>Short name= TO.</p> <p>Short name= TRPO Tryptophan pyrrolase Tryptophanase</p> |
| UniProt:    | <a href="#">Q5U4U6</a>  |

## Application Details

|               |   |
|---------------|---|
| Comment:      | <p>The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.</p> |
| Restrictions: | For Research Use only   |

## Handling

|                  |   |
|------------------|---|
| Format:          | Lyophilized   |
| Concentration:   | 0.2-2 mg/mL   |
| Buffer:          | Tris-based buffer, 50 % glycerol  |
| Handling Advice: | Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week |
| Storage:         | -20 °C  |
| Storage Comment: | Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.                                |