



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Data Sheet

### Mouse TDO2, His-tag

Mouse, recombinant, N-terminal His-tag

**Catalog #:** 71241

**Lot #:** 151119-1      **Conc.:** 0.62 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween-20, 20% glycerol, and 300 mM imidazole

**Stability:** At least 6 months at  $-80^{\circ}\text{C}$ . *Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).*

**References:**

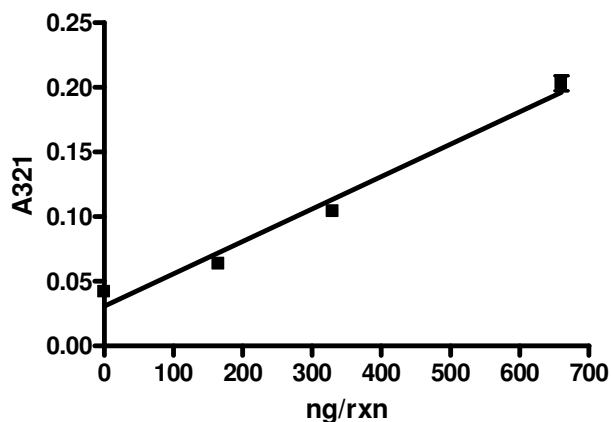
1. Pillotte, L., *et al.*, *Proc. Nat. Acad. Sci (USA)* 2012; **109(7)**:2497-2502.
2. Miller, C.L., *et al.*, *Neurobiol. Disease* 2004; **15(3)**: 618-629.

**Description:** Mouse Tryptophan 2,3-dioxygenase-2 (TDO2), GenBank Accession No. NM\_019911, a.a. 2-406(end) with an N-terminal His-tag, expressed in an *E. coli* cell expression system. MW = 49 kDa.

**Assay Conditions:** Assay was performed by mixing 10  $\mu\text{l}$  of varying concentrations of mouse TDO2 with 170  $\mu\text{l}$  of TDO Reaction Solution (BPS, #73005) and 20  $\mu\text{l}$  of 1x TDO Assay Buffer (BPS, #73006). This reaction was incubated at room temperature for 90 min and absorbance was read at  $\lambda=320-325$  nm.

**Application:** Useful for studying enzyme kinetics, substrate specificity, and screening inhibitors.

### Quality Assurance

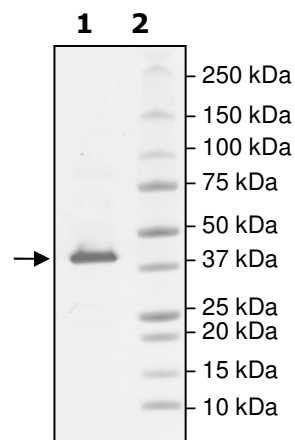


**4-20% SDS-PAGE  
 Coomassie staining**

**Lane 1:**  
 2.5  $\mu\text{g}$  Mouse TDO2

**Lane 2:**  
 Protein Marker

**Purity:**  $\geq 90\%$   
**MW:** 49 kDa



OUR PRODUCTS ARE FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

To place your order, please contact us by Phone **1.858.829.3082** Fax **1.858.481.8694**

Or you can Email us at: [info@bpsbioscience.com](mailto:info@bpsbioscience.com)

Please visit our website at: [www.bpsbioscience.com](http://www.bpsbioscience.com)



6044 Cornerstone Court W, Ste E  
San Diego, CA 92121  
**Tel:** 1.858.829.3082  
**Fax:** 1.858.481.8694  
**Email:** [info@bpsbioscience.com](mailto:info@bpsbioscience.com)

## ***Sequence***

MHHHHHSGCPFAGNSVGYTLKNVSMEDNEEDRAQTGVNRASKGGLIYGNYLQLEKI  
LNAQELQSEVKGNKIHDEHLFIITHQAYELWFKQILWELDSVREIFQNGHVRDERNMLK  
VIARMHRVVVIFKLLVQQFSVLETMTALDFNDFREYLSPASGFQSLQFRLLLENKIGVLQS  
LRVPYNRKHYRDNFGGDYNELLLKSEQEQTLLQLVEAWLERTPGLEPNGFNFWGKFE  
KNILKGLEEEFLRIQAKTDSEEKEEQMAEFRKQKEVLLCLFDEKRHDYLLSKGERRLSY  
RALQGALMIYFYREEPRFQVPFQLLTSMDIDTLMTKWRYNHVCMVHRMLGTKAGTG  
GSSGYHYLRSTVSDRYKVFVDLFLNLSTYLVPRHWVPKMNPIIHKFLYTAEYSDSSYFSS  
DESD

**Red:** His tag

**Black:** mouse TDO2 (a.a. 2-406(end))

OUR PRODUCTS ARE FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

To place your order, please contact us by Phone **1.858.829.3082** Fax **1.858.481.8694**  
Or you can Email us at: [info@bpsbioscience.com](mailto:info@bpsbioscience.com)  
Please visit our website at: [www.bpsbioscience.com](http://www.bpsbioscience.com)