



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



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Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Data Sheet

### **PDE7B**

Rat, recombinant, N-terminal GST-tag

**Catalog #:** 60075

**Lot #:** 101117      **Conc.:** 0.25 mg/ml

**Formulated in:** 45 mM Tris-HCl, pH 8.0,  
 124 mM NaCl, 2.4 mM KCl, 18 mM  
 glutathione, 10% glycerol, and 3 mM DTT.

**Stability:** >6 months at -80°C

#### **References:**

1. Gardner, C., *et al.* (2000). *Biochem Biophys Res Commun.* May 27;**272(1)**:186-92.
2. Reyes-Irisarri, E., *et al.* (2005). *Neuroscience* **132(4)**:1173-85.
3. Zhang, L., *et al.* (2008). *Proc. Natl. Acad. Sci. USA* Dec 9;**105(49)**:19532-7.

#### **Description:**

Rat PDE7B (GenBank Accession No. NM\_080894), a.a. 108-446(end), with N-terminal GST-tag, MW=65 kDa, expressed in a Baculovirus-infected Sf9 cell expression system.

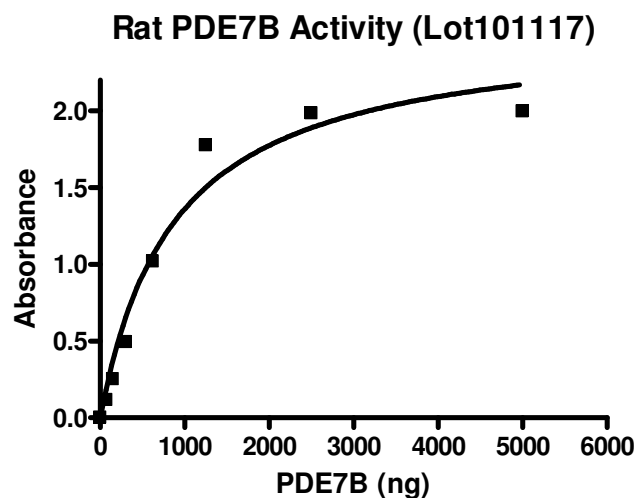
**Specific Activity:** 324 pmol/min/μg.

Assay condition: 10 mM Tris-HCl, pH 7.4, 10 mM MgCl<sub>2</sub>, 0.05% Tween-20, 200 μM cAMP, 0.1 mg/ml BSA, and 0.5-16 ng/μl rat PDE7B at 37°C for 20 min. Quantified by 5'-nucleotidase cleaving the 5'-AMP product and releasing the phosphate group which is detected by Malachite Green Reagent.

#### **Application:**

Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

### **Quality Assurance**



#### **10% SDS-PAGE Coomassie staining**

**Lane 1:**

4 μg PDE7B →

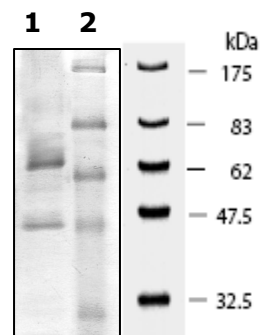
**Lane 2:**

Protein Marker

BioLabs (#P7708L)

**MW:** 65 kDa.

**Purity:** 30%



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