



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### 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

### PDE6C, GST-tag

Human, Recombinant, N-terminal GST-tag  
**Catalog #:** 60062

**Lot #:** 171023-A      **Conc.:** 0.18 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0,  
110 mM NaCl, 2.2 mM KCL, 3 mM DTT,  
20% Glycerol and 2 mM Glutathione.

**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. Martinez S.E. *et al.*, *J Biol Chem.*  
2008 Sep 19; **283(38)**:25913-9.
2. Stearns G. *et al.*, *J Neurosci.* 2007  
Dec 12; **27(50)**:13866-74.

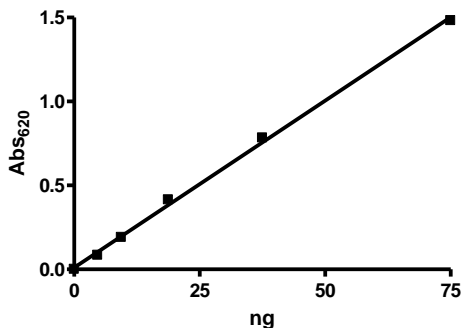
**Description:** Human PDE6C, GenBank  
Accession No. NM\_006204, full length,  
with N-terminal GST tag, MW = 126 kDa,  
expressed in a Baculovirus infected Sf9  
cell expression system.

**Specific Activity:**  $\geq 3,000$  pmole/min/ $\mu\text{g}$   
One unit is defined as the amount of  
enzyme that will convert 1 pmole of 3', 5'-  
cGMP to 5'-GMP per min at  $37^{\circ}\text{C}$ . Assay  
condition: 10 mM Tris-HCl, pH 7.4, 10 mM  
MgCl<sub>2</sub>, 0.1 mg/ml BSA, 0.05% Tween-20,  
200  $\mu\text{M}$  cGMP, and serial dilutions of  
PDE6C at  $37^{\circ}\text{C}$  for 20 min. Quantified by 5'  
nucleotidase cleaving the 5'-GMP 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

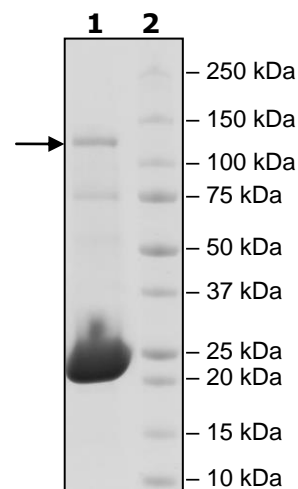
### Specific Activity



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

**Lane 1:**  
2  $\mu\text{g}$  PDE6C  
**Lane 2:**  
Protein Marker

**MW:** 126 kDa  
**Purity:**  $\geq 5\%$



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