



# SZABO SCANDIC

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Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### PKLR Var 2 (PKL)

Human, recombinant, N-terminal His tag  
 Catalog: 40501  
 Lot#: 110630Q      Conc.: 0.42 mg/ml

**Formulated in:** 40 mM Tris pH 8.0, 146 mM NaCl, 20% Glycerol, and 3mM DTT.

**Stability:** >6 months at -80°C

**References:**

1. Bullido M.J. et al., Neurobiol. Aging.; **29(10)**: 1160-6 (2008).
2. Russell S.T. et al., Exp. Cell. Res. ; **315(1)** : 16-25 (2009).

**Description:**

PKR      GenBank      Accession      No.  
 NM\_181871), full length with N-terminal His tag 2-543 (end), MW=59 kDa, expressed in an *E. coli* expression system.

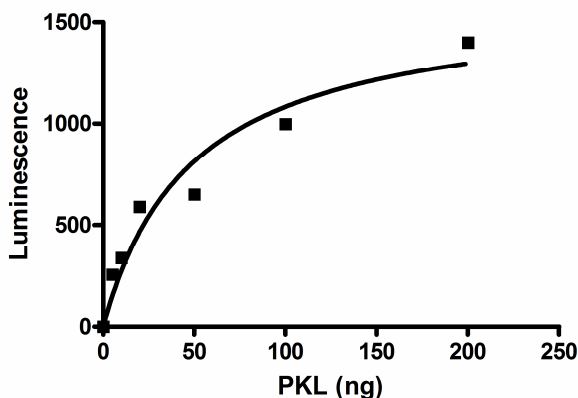
**Specific Activity:** 38 pmol/min/μg. Assay conditions: A 50 μl reaction is conducted in a buffer containing 50 mM Tris (pH 7.4), 10 mM MgCl<sub>2</sub>, 50 mM KCl, 2 mM ADP, 10 mM phosphoenolpyruvate (PEP) at room temperature for 15 min. ATP production is detected using Kinase-Glo<sup>®</sup> Luminescent Kinase Assay Platform.

**Application:**

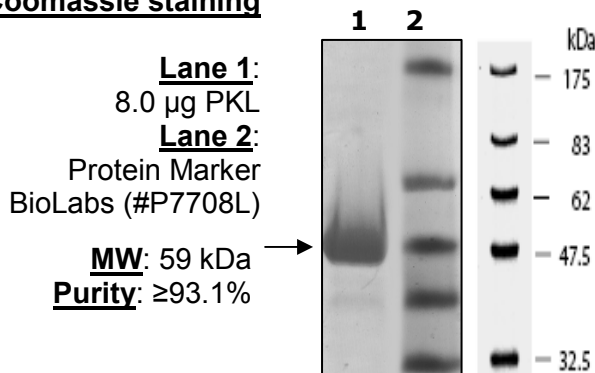
Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

## Quality Assurance

**PKL Specific Activity**



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



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