



# 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

### Jak2, His-tag

Human, Recombinant, N-terminal His-tag

**Catalog #:** 40450

**Lot #:** 180411-G      **Conc.:** 0.25 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0,  
110 mM NaCl, 2.2 mM KCl, 3 mM DTT,  
0.04% Tween-20 and 20% Glycerol

**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. Tono, C., *et al.*, *Leukemia*. 2005;  
**19(10):** 1843-1844.
2. Goertler, P.S., *et al.*, *Blood*. 2005;  
**106(8):** 2862-2864.

#### Description:

Human Jak2 (GenBank Accession No. NM\_004972), (a.a. 808-end) with N-terminal His tag, MW=43 kDa, expressed in Baculovirus expression system.

#### Specific Activity: 124 pmol/min/ $\mu\text{g}$

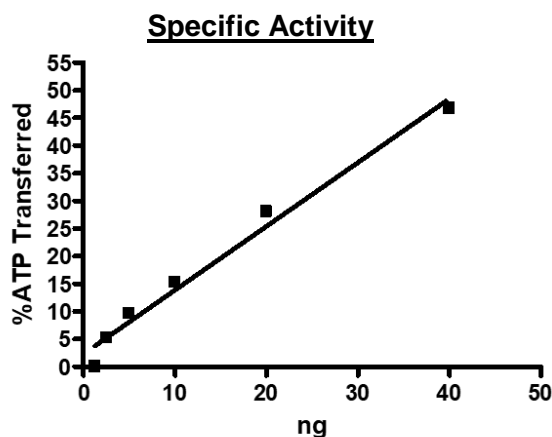
Assay Conditions: Assay was done in Kinase buffer containing 1 mM DTT using Poly-(Glu4:Tyr) substrate (0.2 mg/ml) and 20  $\mu\text{M}$  ATP. Reaction was done at  $30^{\circ}\text{C}$  for 45 min.

Amount of ATP transferred was calculated using Kinase-Glo reagent (Promega)

#### Application:

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

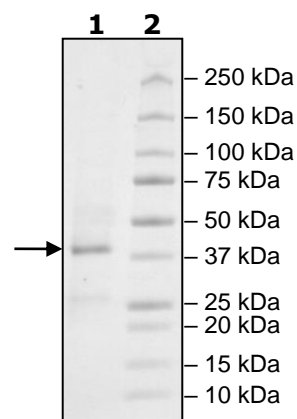
## Quality Assurance



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

**Lane 1:**  
2  $\mu\text{g}$  JAK2  
**Lane 2:**  
Protein Marker

**MW:** 43 kDa  
**Purity:**  $\geq 71\%$



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

To place your order, please contact us by Phone **1.858.202.1401** or **1.858.481.8694**, Fax  
**1.858.259.5734**

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)