



# 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

### **BRD4, BD1 and BD2 (49-460)**

Human, recombinant, N-terminal His tag

**Catalog #:** 31045

Lot #: 120524-G      Conc.: 0.34 mg/ml

**Formulated in:** 45 mM Tris-HCl, pH 8,  
 124 mM NaCl, 2.4 mM KCl, and 10%  
 glycerol.

**Stability:** >6 months at -80 °C

**References:**

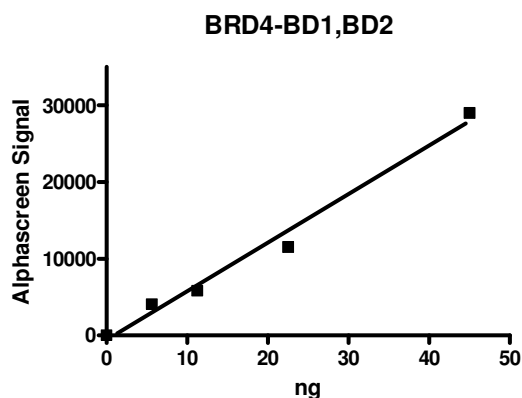
1. Rodriguez, RM, *et al.*, *J Mol Med (Berl)*. 2012 May; **90(5)**: 587-95.
2. Voigt, P, *et al.*, *Genome Biol*. 2011 Nov 29; **12(11)**:133.

**Description:** Human Bromodomain containing 4, also known as BRD4, HUNK1, or MCAP, amino-acids 49-460 (GenBank Accession No. NM\_058243) with N-terminal His tag, MW = 47.5 kDa, expressed in an *E. coli* expression system.

**Assay Conditions:** BRD4 protein is incubated with biotinylated acetyl-histone peptide substrate (Cat. #33000) in BRD assay buffer (Cat. #33001) in a 10 µl reaction for 1 hour at RT. AlphaLISA® Nickel Chelate acceptor beads (Perkin Elmer) are added, followed by AlphaScreen® Streptavidin-conjugated donor beads (Perkin Elmer). After 1 hour incubation at RT, Alphacounts are measured.

**Application:** Useful for the study of bromodomain binding assays, screening inhibitors and selectivity profiling.

## **Quality Assurance**

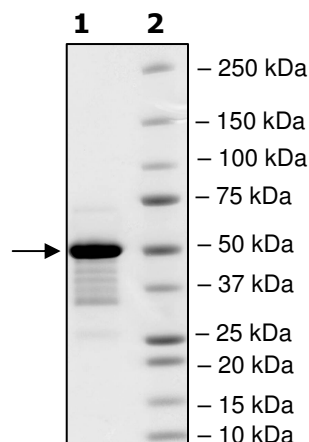


**4-20% SDS-PAGE  
 Coomassie staining**

**Lane 1:**  
 4 µg BRD4

**Lane 2:**  
 Protein Marker  
 Biorad (#161-0373)

**MW:** 47.5 kDa  
**Purity:** ≥75%



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 West, Suite E  
San Diego, CA 92121  
Tel: 1.858.829.3082  
Fax: 1.858.481.8694  
Email: [info@bpsbioscience.com](mailto:info@bpsbioscience.com)

**Protein Sequence**

**MHHHHHH**ETSNPNKPKRQTNQLQYLLRVVLKTLWKHQFAWPFQQPVDAVKLNLPD  
YYKIIKTPMDMGTIKKRENNYYWNAQECIQDFNTMFTNCYIYNKPGDDIVLMAEALEK  
LFLQKINELPTEETEIMIVQAKGRGRGRKETGTAKPGVSTVPNTTQASTPPQTQTPQP  
NPPPQATPHPPFAVTPDLIVQTPVMTVVPPQPLQTPPPVPPQPQPPAPAPQPVS  
HPPIAATPQPVKTKKGVKRKADTTTPTTIDPIHEPPSLPPEPKTTKLGQRRESSRPVK  
PPKDVPSQQHPAPEKSSKVSEQLKCCSGILKEMFAKKHAAYAWPFYKPVDEAL  
GLHDYCDIHKPMDMSTIKSKLEAREYRDAQEFGADVRLMFSNCYKYNPPDHEVVAM  
ARKLQDVFEMRFAKMPDE

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)