



# SZABO SCANDIC

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- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### **BRD3, BD1 and BD2 (29-417)**

Human, recombinant, N-terminal GST tag

**Catalog #:** 31035

**Lot #:** 120810-G2D    **Conc.:** 0.18 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0,  
110 mM NaCl, 2.2 mM KCl, and 20%  
glycerol.

**Stability:** >6 months at -80 °C

#### **References:**

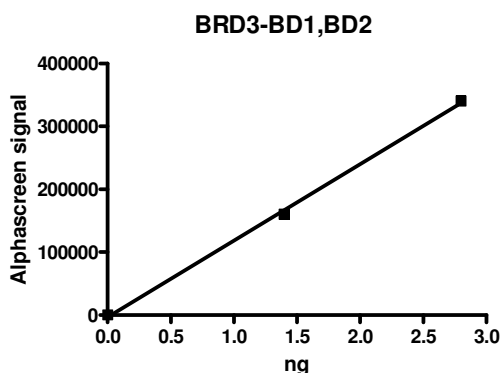
1. Gamsjaeger, R., *et al.*, *Mol Cell Biol.* 2011 Jul; **31(13)**: 2632-2640.
2. Lamonica, JM, *et al.*, *Proc Natl Acad Sci USA.* 2011 May 31; **108(22)**: E159-168.

**Description:** Human Bromodomain containing 3, also known as BRD3 or RING3L, amino-acids 29 – 417 (GenBank Accession No. NM\_007371) with N-terminal GST tag, MW = 70 kDa, expressed in an *E. coli* expression system.

**Assay Conditions:** BRD3 protein is incubated with biotinylated acetyl-histone peptide substrate (Cat. #33000) in BRD assay buffer (Cat. #33001) in a 10 µl reaction for 30 minutes at RT. AlphaLISA® GSH 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**

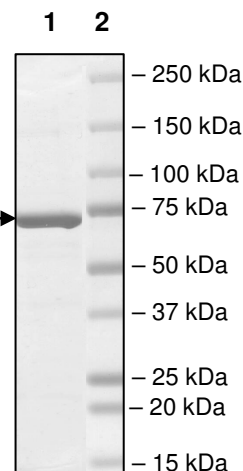


#### **4-20% SDS-PAGE Coomassie staining**

**Lane 1:**  
2 µg BRD3

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

**MW:** 70 kDa  
**Purity:** ≥77%



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**Amino Acid Sequence:**

MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYI  
DGDVKLTQSMAIRYIADKHNMLGGCPKERAEISMLEGAVLDIRYGVSRIAYSKDFETLK  
VDFLSKLPPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKLV  
CFKKRIEAIPOIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDLEVLFGGPLGSPSKPG  
RKTNQLQYMQNVVVKTLWKHQFAWPFYQPVDAIKLNLDPYHKIKNPMDMGTIKKRL  
ENNYYSASECMQDFNTMFTNCYIYNKPTDDIVLMAQALEKIFLQKVAQMPQEEVEL  
LPPAPKGKGRKPAAGAQSAGTQQVAAVSSVSPATPFQSVPTVSQTPVIAATPVPTIT  
ANVTSVPVPPAAAPPPATPIVPVVPPTPPVVKKKGVKRKADTTTPTTSAITASRSESP  
PPLSDPKQAKVVARRESGGRPIKPPKDLLEDGEVPQHAGKKGKLEHLRYCDSILRE  
MLSKKHAAYAWPFYKPVDAEALHDYHDIKHMPMDLSTVKKRKMMDGREYPDAQGFA  
ADVRLMFSNCYKYNPPDHEVVAMARKLQDVFEMRFAKMPD

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