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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

BRD4 (49-170)

Human, recombinant, N-terminal GST tag

Catalog #: 31040

Lot #: 130503-D Conc.: 4.45 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:

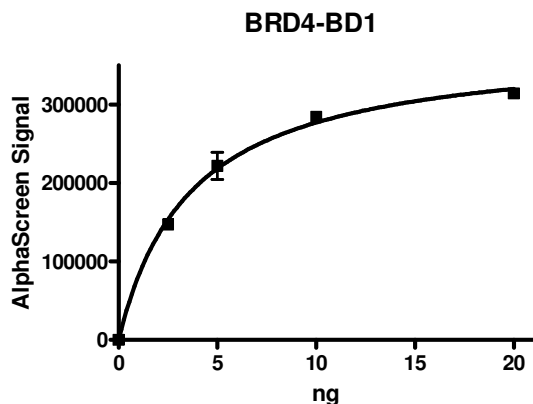
1. Rodriguez, RM, *et al.*, *J Mol Med (Berl)*. 2012 May; **90(5)**: 587-95.
2. Voigt, P, *et al.*, *Genome Biol*. 2011 Nov 29; **12(11)**:133.

Description: Human Bromodomain containing 4, also known as BRD4, HUNK1, or MCAP, amino-acids 49-170 (GenBank Accession No. NM_058243) with N-terminal GST tag, MW = 41.4 kDa, expressed in an *E. coli* expression system.

Assay Conditions: Enzyme was assayed according to BPS BRD4 (BD1) Assay Kit (Cat. #32514) protocol. BRD4 is incubated with biotinylated acetyl-histone peptide substrate (BPS #33000) in BRD assay buffer (BPS #33001) in a 10 µl reaction for 1 hour 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

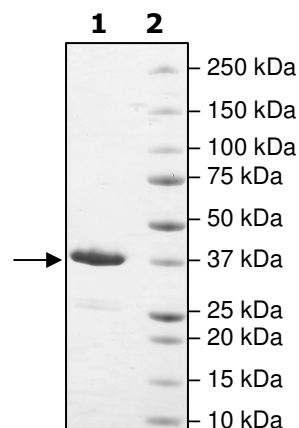


**4-20% SDS-PAGE
 Coomassie staining**

Lane 1:
 2.5 µg BRD4

Lane 2:
 Protein Marker

MW: 41.4 kDa
Purity: ≥95%



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Amino Acid Sequence:

MSPILGYWKIKGLVQPTRLLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYID
GDVKLTQSMIIIRYIADKHNMLGGCPKERAIEISMLEGAVLDIRYGVSR IAYS KDFETLKVD
FLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFK
KRIEAI PQIDKYLKSSKYIAWPLQG WQATFGGGDHPPKSDLEVL FQG PLGSETSNPNKP
KRQTNQLQYLLRVVLKTLWKHQFAWPFQQPVD AVKLNLPDYYKIIKTPMDMGTIKKRL
ENNYWNAQECIQDFNTMFTNCYIYNKPGDDIVLMAEALEKLF LQKINELPTEETE

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