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Zuschläge

- Mindermengenzuschlag
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Data Sheet

BRD4 (49-170)

Human, recombinant, N-terminal His-tag

Catalog #: 31042

Lot #: 140918-2 **Conc.:** 5.39 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 . *Avoid freeze/thaw cycles. Storing diluted protein is not recommended, if necessary, use carrier protein BSA (0.1 – 0.5%).*

References:

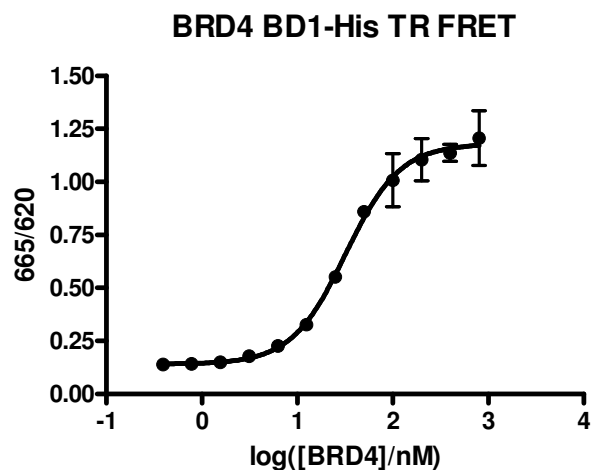
- Rodriguez, RM, *et al.*, *J Mol Med (Berl)*. 2012; **90(5)**: 587-95.
- Voigt, P, *et al.*, *Genome Biol*. 2011; **12(11)**:133.

Description: Human Bromodomain containing 4, also known as BRD4, HUNK1, or MCAP, amino-acids 49-170 (GenBank Accession No. NM_058243) with N-terminal His tag, MW = 15.5 kDa, expressed in an *E. coli* expression system.

Assay Conditions: Varying concentrations of BRD4 are incubated with 200 nM BET Bromodomain Ligand, Tb donor and dye-labeled acceptor, in BRD TR-FRET assay buffer, in a 20 μl reaction for 2 hours at RT. Donor emission at 620 nm followed by dye-acceptor emission at 665 nm are measured and analysis is performed using the 665/620 ratio.

Application: Useful for the study of bromodomain binding assays, screening

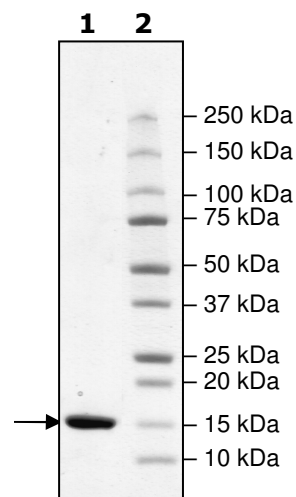
Quality Assurance



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

Lane 1:
 2 μg BRD4
Lane 2:
 Protein Marker

MW: 15.5 kDa
Purity: $\geq 90\%$



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