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Data Sheet

BRD2 (65-187)

Human, recombinant, N-terminal GST tag
Catalog #: 31021
Lot #: 120216 Conc.: 0.89 mg/ml

Formulated in: 50 mM Tris-HCl, pH 8.0, 138 mM NaCl, 2.7 mM KCl, 10% Glycerol, 3 mM EDTA, 20 mM Glutathione, and 2 mM DTT.

Stability: >6 months at –80°C

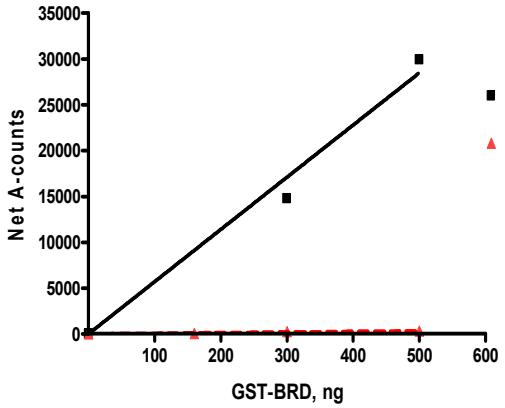
References:

1. Umehara, T., *et al., FEBS Lett.* 2010 Sep 24; **584(18)**: 3901-3908.
2. Shang, E., *et al., J Cell Biochem.* 2011 Oct; **112(10)**: 2784-2793.

Description: Human Bromodomain containing 2, also known as BRD2, RING3 or RNF3, amino-acids 65 – 187 (GenBank Accession No. NM_005104) with N-terminal GST tag, MW = 41.4 kDa, expressed in an E. coli expression system.
Assay Conditions: BRD2 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.

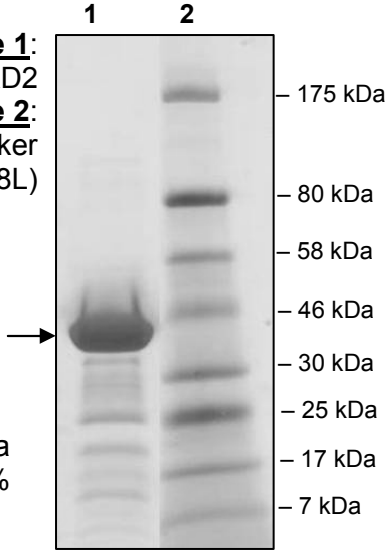
Quality Assurance

BRD2 (BD1) binding to the acetylated ligand



4-20% SDS-PAGE
Coomassie staining

Lane 1:
2 µg BRD2
Lane 2:
Protein Marker
BioLabs (#P7708L)



MW: 41.4 kDa
Purity: ≥81%

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