

BRD2 recombinant protein

Recombinant BRD2 protein

CATALOG # AAA60412	HOST Baculovirus
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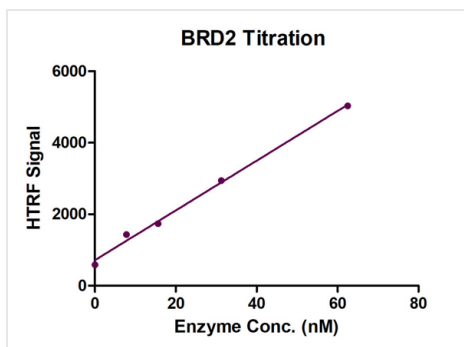
PRODUCT SYNONYMS

BRD2; Recombinant BRD2 protein; Bromodomain Containing Protein 2; RING3; FSHRG1; NAT;FSRG1; RNF3; FSH; D6S113E; BRD2 recombinant protein

PRODUCT SPECIFICATIONS

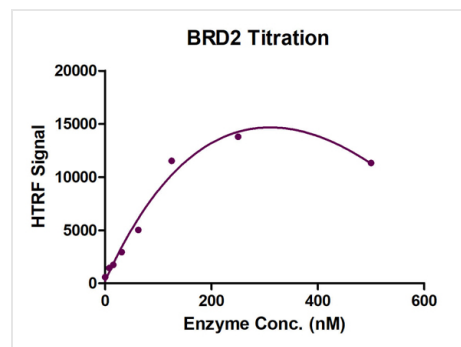
Host	Baculovirus
Purity/Purification	>=95% by SDS-PAGE.
Form/Format	Recombinant BRD2 protein is supplied in 25 mM HEPES pH 7.5, 300 mM NaCl, 20% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.
Protein Species	Human
Protein Details	Recombinant BRD2 protein that includes full length of human BRD2 protein (accession number NP_001106653.1) was expressed in Sf9 cells and contains an N-terminal His and DYKDDDDK tag with a molecular weight of 92.5kDa.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.

IMAGES



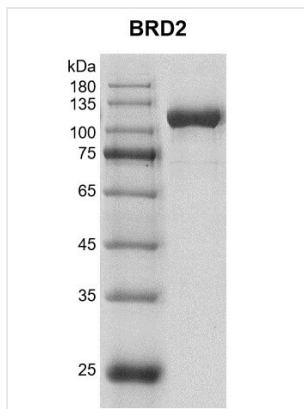
Application Data

HTRF Assay for Recombinant BRD2 activity 3 μ M histone peptide H4K5/8/12/16(ac4) was incubated with BRD2 in reaction buffer including 50 mM HEPES-NaOH pH 7.0, 0.1% BSA for 1 hour at room temperature. Anti-DYKDDDDK antibody was used to detect reaction products. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.



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SDS-PAGE

Recombinant BRD2 protein 10% SDS-PAGE Coomassie staining MW: 92.5kDa Purity: >=95%

ADDITIONAL INFORMATION

Related Product Information for BRD2 recombinant protein

Bromodomain-containing protein 2 (BRD2), also known as RING3, belongs to the BET subclass of proteins, which are characterized by two N-terminal bromodomains and one ET (Extra Terminal) domain. BRDs associate with chromatin through their bromodomains that recognize acetylated histone lysine residues. Bromodomains function as 'readers' of these epigenetic histone marks and regulate chromatin structure and gene expression by linking associated proteins to the acetylated nucleosomal targets. The ET domain functions as a protein binding motif and exerts atypical serine-kinase activity. The BET family consists of at least four members in mouse and human, BRD2 (also referred to as FSRG1, RING3), BRD3 (FSRG2, ORFX), BRD4 (FSRG4, MCAP/HUNK1), and BRDT (FSRG3, BRD6). BRD proteins are related to the female Sterile Homeotic protein in *Drosophila*, a gene required maternally for proper expression of other homeotic genes, such as *Ubx*, which is involved in pattern formation. BRD2 causes elevated protein kinase activity in leukemias. Transgenic mice overexpressing BRD2 in the lymphoid system develop diffuse large-cell lymphoma. BRD2 has been shown to interact with E2F1 and with histone H4 acetylated at Lys12 via its two bromodomains. BRD2 may play a role in spermatogenesis or folliculogenesis. Genetic evidence links the BRD2 gene to both juvenile myoclonic epilepsy and photoparoxysmal responses.

Product Categories/Family for BRD2 recombinant protein

Bromodomain; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

Molecular Weight

92.5kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/brd2-recombinant-protein-baculovirus/60412>