

Product information

BRD2, 1-455aa

Human, His-tagged, Recombinant, *E.coli*

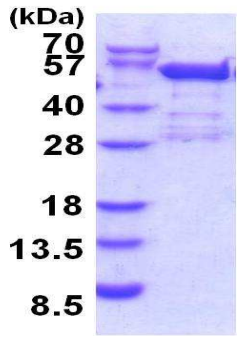
Cat. No. IBATGP2876

Full name: Bromodomain containing 2

NCBI Accession No.: NP_005095

Synonyms: D6S113E, FSH, FSRG1, NAT, RING3, RNF3

Description: BRD2 is a transcriptional regulator that belongs to the BET (bromodomains and extra terminal domain) family of roteins. This protein associates with transcription complexes and ith acetylated chromatin during mitosis, and it selectively binds o the acetylated lysine-12 residue of histone H4 via its two romodomains. The gene maps to the major histocompatability complex MHC) class II region on chromosome 6p21.3, but sequence comparison uggests that the protein is not involved in the immune response. This gene has been implicated in juvenile myoclonic epilepsy, a common form of epilepsy that becomes apparent in adolescence. Recombinant human BRD2 protein, fused to His-tag at N-terminus, was expressed in *E.coli*.

<p>Form: Liquid. In Phosphate buffered saline (pH7.4) containing, 10% glycerol, 1mM DTT</p> <p>Molecular Weight: 52.8kDa (478aa)</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
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Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSMLQNVTP HNKLPGEGNA GLLGLGPEAA APGKRIRKPS LLYEGFESPT MASVPALQLT PANPPPPEVS
 NPKKPGRVTN QLQYLHKVVM KALWKHQFAW PFRQPVDVAVK LGLPDYHKII KQPMDMGTIK RRLENNYYWA ASECMQDFNT MFTNCYIYNK
 PTDDIVLMAQ TLEKIFLQKV ASMPQEEQEL VVTIPKNSHK KGAKLAALQG SVTSAHQVPA VSSVSHTALY TPPPEIPTTV LNIPHPSVIS
 SPLKSLHSA GPPLAVTAA PPAQPLAKKK GVKRKADTTT PTPTAILAPG SPASPPGSLE PKAARLPPMR RESGRPIKPP RKDLPDSQQQ
 HQSSKKGKLS EQLKHCNGIL KELLSSKHAA YAWPFYKPDV ASALGLHDYH DIIKHPMDLS TVKRKMENRD YRDAQEFAAD VRLMFSNCYK
 YNPPDHDVVA MARKLQDVFE FRYAKMPD

General references:

Boehm,D., *et al.* (2013) *Cell Cycle* 12 (3), 452-462

Tang,X., *et al.* (2013) *Mol. Pharmacol.* 83 (1), 283-293

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
 Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.