

Recombinant Human bromodomain containing 2, His-tagged

Cat. No. BRD2-653H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	BRD2, 1-455aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-455 a.a.
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.
Form	Liquid. In Phosphate buffered saline (pH7.4) containing, 10% glycerol, 1mM DTT
Molecular Mass	52.8kDa (478aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMLQNVTP HNKLPGEGNA GLLGLGPEAA APGKRIRKPS LLYEGFESPT MASVPALQLT PANPPPPEVS NPKKPGRVTN QLQYLHKVVM KALWKHQFAW PFRQPVDAVK LGLPDYHKII KQPMDMGTIK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

RRLENNYYWA ASECMQDFNT MFTNCYIYNK PTDDIVLMAQ TLEKIFLQKV
 ASMPQEEQEL VVTIPKNSHK KGAKLAALQG SVTSAHQVPA VSSVSHTALY
 TPPPEIPTTV LNIPHPVIS SPLKSLHSA GPPLAVTAA PPAQPLAKKK
 GVKRKADTTT PTPTAILAPG SPASPPGSLE PKAARLPPMR RESGRPIKPP
 RKDLPDSQQQ HQSSKKGKLS EQLKHCNGIL KELLSSKHAA YAWPFYKPVD
 ASALGLHDYH DIIKHPMDLS TVKRKMENRD YRDAQEFAAD VRLMFSNCYK
 YNPPDHDVVA MARKLQDVFE FRYAKMPD

Purity >90% by SDS - PAGE

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

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name BRD2 bromodomain containing 2 [Homo sapiens]

Official Symbol BRD2

Synonyms BRD2; bromodomain containing 2; bromodomain-containing protein 2; D6S113E; FSRG1; KIAA9001; NAT; RING3; O27.1.1; bromodomain-containing 2; really interesting new gene 3 protein; female sterile homeotic-related gene 1; FSH; RNF3; FLJ31942; DKFZp686N0336;

Gene ID 6046

mRNA Refseq NM_001113182

Protein Refseq NP_001106653

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MIM	601540
UniProt ID	P25440
Chromosome Location	6p21.3
Pathway	Regulation of retinoblastoma protein, organism-specific biosystem;
Function	protein serine/threonine kinase activity;

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