

# Recombinant human BRD2 protein

Catalog Number: ATGP2876

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

1-455aa

### UniProt No.

P25440

### NCBI Accession No.

NP\_005095

### Alternative Names

Bromodomain containing 2, D6S113E, FSH, FSRG1, NAT, RING3, RNF3

## PRODUCT SPECIFICATION

---

### Molecular Weight

52.8 kDa (478aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing, 10% glycerol, 1mM DTT

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

---

### 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

# Recombinant human BRD2 protein

Catalog Number: ATGP2876

BRD2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

## Amino acid Sequence

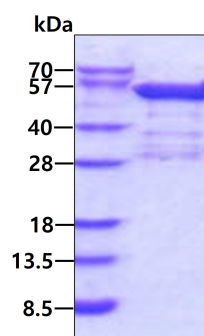
<MGSSHHHHHH SSGLVPRGSH MGS>MLQNVTP HNKLPGEENA GLLGLGPEAA APGKRIRKPS LLYEGFESPT  
MASVPALQLT PANPPPPEVS NPKKPGRVTN QLQYLHKVVM KALWKHQFAW PFRQPVDVAVK LGLPDYHKII KQPMDMGTIK  
RRLENNYYWA ASECMQDFNT MFTNCYIYNK PTDDIVLMAQ TLEKIFLQKV ASMPQEEQEL VVTIPKNSHK KGAKLAALQG  
SVTSAHQVPA VSSVSHTALY TPPPEIPTTV LNIPHPSVIS SPLKSLHSA GPPLLAVTAA PPAQPLAKKK GVKRKADTTT  
PTPTAILAPG SPASPPGSLE PKAARLPPMR RESGRPIKPP RKDLPDSQQQ HQSSKKGKLS EQLKHCNGIL KELLSSKHAA  
YAWPFYKPVD ASALGLHDYH DIIKHPMDLS TVKRKMNDRD 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

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.