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

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

Amino acid Sequence

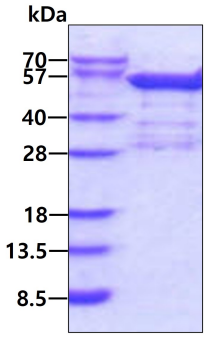
<MGSSHHHHHH SSGLVPRGSH MGS>MLQNVTP HNKLPGEGNA GLLGLGPEAA APGKRIRKPS LLYEGFESPT MASVPALQLT PANPPPPEVS NPKKPGRVTN QLQYLHKVVM KALWKHQFAW PFRQPVDAVK LGLPDYHKII KQPMDMGTIK RRLENNYYWA ASECMQDFNT MFTNCYIYNK PTDDIVLMAQ TLEKIFLQKV ASMPQEEQEL VVTIPKNSHK KGAKLAALQG SVTSAHQVPA VSSVSHTALY TPPPEIPTTV LNIPHPSVIS SPLLKSLHSA GPPLLAVTAA PPAQPLAKKK GVKRKADTTT PTPTAILAPG SPASPPGSLE PKAARLPPMR RESGRPIKPP RKDLPDSQQQ HQSSKKGKLS EQLKHCNGIL KELLSKKHAA YAWPFYKPVD 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

DATA

SDS-PAGE



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